

# REPORTS

OF THE

## TOWN OFFICERS OF MELROSE

FOR THE

FINANCIAL YEAR

ENDING DECEMBER 31, 1894.

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MELROSE:

DUNTON & POTTER, PRINTERS, REPORTER OFFICE.

1895.



# TOWN OFFICERS FOR 1894-95.

## SELECTMEN.

DANIEL NORTON, Chairman, C. W. COOK, E. H. MOORE.  
JOHN P. DEERING, SIDNEY H. BUTTRICK.

## TOWN CLERK.

EDWARD K. BORDMAN.

## TREASURER,

GEORGE NEWHALL.

COLLECTOR OF TAXES,  
ADDISON LANE.

## ASSESSORS.

GEO. C. STANTIAL, Chairman, Term expires 1896.  
DEXTER PRATT, " " 1895.  
HENRY A. LEONARD, " " 1897.

## WATER COMMISSIONERS.

WILBUR D. FISKE, Chairman, Term expires 1895.  
GEO. L. MORSE, " " 1896.  
GEORGE J. BICKNELL, " " 1897.

## WATER LOAN; SINKING FUND COMMISSIONERS.

DANIEL RUSSELL, Chairman, Term expires 1896.  
ROYAL P. BARRY, " " 1897.  
JOHN W. FARWELL, " " 1895.

## SEWER COMMISSIONERS.

S. E. BENSON, Chairman, Term expires 1897.  
L. FRANK HINCKLEY, " " 1896.  
JOHN LARRABEE, " " 1895.

## SCHOOL COMMITTEE.

JOHN O. NORRIS, Chairman, Term expires 1896.  
BESSIE B. DEARBORN, " " 1896.  
WILLIAM D. STEWART, " " 1895.  
ELLA F. McDONALD, " " 1895.  
JOHN DIKE, " " 1897.  
SUSAN F. FLANDERS, " " 1897.

## TRUSTEES OF THE PUBLIC LIBRARY.

ELBRIDGE H. GOSS, Chairman, Term expires 1896.  
CHARLES C. BARRY, " " 1895.  
CHARLES A. PATCH, Treasurer, " " 1896.  
MARY L. CHARLES, Secretary, " " 1897.  
RUBY F. FARWELL, " " 1895.  
GEO. E. MUNROE, " " 1897.

## AUDITOR.

EDWIN C. GOULD.

## SUPERINTENDENT OF STREETS.

WALTER B. ELLIS.

## OVERSEERS OF THE POOR.

HENRY G. FIELDS, Chairman, Term expires, 1897.  
MRS. MARTHA D. BALE, " " 1895.  
THOMAS W. RIPLEY, " " 1896.

## TOWN OFFICERS FOR 1894-95.

## BOARD OF HEALTH.

E. L. WARREN, Secretary, . . . . . Term expires 1897.  
 FRANK L. WASHBURN, . . . . . " " 1896.  
 JOHN E. SANBORN, M. D., Chairman, . . . . . " " 1895.

## PARK COMMISSIONERS.

M. G. COCHRANE, . . . . . Term expires 1897.  
 CHAS. H. ADAMS, Chairman, . . . . . " " 1896.  
 GEORGE T. BROWN, . . . . . " " 1895.

## REGISTRARS OF VOTERS.

ALFRED HOCKING, Chairman, . . . . . Term expires May 1, 1896.  
 WALTER BABB, . . . . . " " " 1895.  
 VICTOR C. KIRMES, . . . . . " " " 1897  
 E. K. BORDMAN, Town Clerk, *ex-officio*.

## CONSTABLES.

ANSEL B. PIERCE, FRANK W. McLAUGHLIN,  
 OSBORNE E. DROWN, C. F. W. FOGG.

## ENGINEERS OF FIRE DEPARTMENT.

A. WILBUR LYNDE, Chief. ALBON W. PARKER,  
 SAMUEL LEAR, Clerk.

## FOREST FIRE WARDS.

DEXTER PRATT, Chairman. CHASE C. WORTHEN, Clerk,  
 CALVIN LOCKE, JAMES MARSHALL.

## MEASURERS OF WOOD AND BARK, WEIGHERS OF HAY AND COAL.

CHARLES B. GOSS, SETH E. BENSON, FRED H. GOSS.

## COMMITTEE ON CEMETERIES.

GEORGE NEWHALL, Chairman, DANIEL RUSSELL,  
 JOHN LARRABEE, Secretary.

## FENCE VIEWERS.

DEXTER PRATT, WALTER C. STEVENS.

## FIELD DRIVERS.

OTIS HOWARD, FRANK GIBBONS.

POUND KEEPER, INSPECTOR OF BUILDINGS.  
 JOSEPH EDWARDS. DEXTER PRATT.

## INSPECTOR OF MILK AND SEALER OF WEIGHTS AND MEASURES,

## INSPECTOR OF PROVISIONS AND ANIMALS.

FRANK M. McLAUGHLIN.

## POLICE OFFICERS.

## PERMANENT FORCE.

F. M. McLAUGHLIN, Chief, OSBORNE E. DROWN,  
 JEROME T. SMITH, WILLIAM A. CASWELL,  
 CHARLES F. W. FOGG, REDFORD M. RAND,  
 HARRY BROWN, GEORGE E. FULLER.

## SPECIAL OFFICERS.

ALLSTON H. PINEO, JAMES DAVIDSON,  
 JOHN W. DAVIS, A. WILBUR LYNDE,  
 F. A. CARTER, GEORGE W. BURKE,  
 ARTHUR L. BRIGHAM, JOSEPH D. LORD,  
 H. T. AINSLIN, JOHN M. HAMLIN.



# TOWN OFFICERS FOR 1894-95.

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## PRECINCT OFFICERS.

### PRECINCT NUMBER ONE.

WARDEN.  
RUFUS S. CARPENTER.  
CLERK.  
C. W. HARLOW.

DEPUTY WARDEN.  
C. N. FOWLER.  
DEPUTY CLERK.  
R. D. KILGORE.

### INSPECTORS.

W. C. JOHNSTON,  
E. G. PEARSON,

SAMUEL LEAR.  
E. L. CRAGIN.

### DEPUTY INSPECTORS.

### PRECINCT NUMBER TWO.

WARDEN.  
S. A. LOVEJOY.  
CLERK.  
E. E. BABB.

DEPUTY WARDEN.  
W. N. FOLSOM.  
DEPUTY CLERK.  
HENRY BROWN.

### INSPECTORS.

W. A. BURRELL,  
C. W. COCHRANE,

C. S. GORDON,  
J. H. FOWKES.

### DEPUTY INSPECTORS.

FRED C. SHEPARD,  
W. DEH. JONES,

W. J. LORD,  
J. H. ATKINSON.

### PRECINCT NUMBER THREE.

WARDEN.  
LEVI S. GOULD.  
CLERK.  
G. B. GROTENDICK.

DEPUTY WARDEN.  
A. J. BURNETT.  
DEPUTY CLERK.  
S. D. FARRAR.

### INSPECTORS.

G. G. NEWHALL,  
HENRY OSBORNE,

J. J. McCULLOUGH,  
JOHN O. HAYES.

### DEPUTY INSPECTORS.

F. H. DODGE,  
C. C. SWETT,

THOS. H. FLYNN,  
H. E. JOHNSON.



## REPORT OF THE SELECTMEN.

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*To the Citizens of Melrose :*

The selectmen have the honor to submit the following report for the year ending December 31st, 1894.

### FINANCES.

The gross debt of the town, January 1st, 1894, . \$428,800

### BORROWED DURING THE YEAR.

Water construction, . . .	\$12,000	
In anticipation of taxes, . .	35,000	
Sewer construction, . . .	75,000	
	<hr/>	
	\$122,000	
Paid during the year, . . .	15,000	
	<hr/>	
		\$107,000
		<hr/>
Gross debt, Dec. 31, 1894, . .		\$535,800

Our valuation is on the increase, the gain for the year being \$524,743.00. Total valuation being \$9,924,873.00, as compared with \$9,400,130.00, the valuation of last year.

This is a good showing even for years of prosperity, and we should congratulate ourselves that during the year, which has generally been considered as one of unusual financial depression, that our finances are in such excellent condition.

We have endeavored to keep the expenditures within your appropriations, and have exceeded it only in those departments which we are obliged by statute to maintain—that is the soldiers' relief.

#### HIGHWAYS.

The streets and sidewalks have been, as in the past, given our constant care and attention. The streets outside of the district where the sewers have been laid are in excellent condition. Prospect street has been built to its full width, Lebanon from the Malden line to Park street has been widened and built to the proper grade, Pleasant street has been covered with crushed stone, covered and rolled, and every street has been attended to when found necessary. Work was commenced at the stone crusher in January and was continued until a supply sufficient for one year's work was produced. As to the streets in the centre of the town, in the section where the sewer has been laid, it is evident that at the present time they are not in as good condition as we could wish ; but according to the terms of the contract, the contractor agrees to put the streets as they were previous to the commencement of the work, and we have the assurance from the sewer commissioners that they will hold him to his contract.

#### MAIN STREET.

All the claims for damages, occasioned by the widening of Main street, have been adjusted except that of the estate

of Ellen Leonard which is now in the courts. Of the amount expended on the street for labor and material, the sum of \$2,397.09 is for putting the street from Emerson to Porter at the proper grade, cutting down Porter and Lebanon streets at their juncture with Main, and building the wall by the side of Ell pond, and filling in to the required grade. As soon as practicable this street should be macadamized from the Malden line to Porter street.

#### TOWN HALL.

By vote of the town, an agreement was entered into by the selectmen and the trustees of the public library, with the trustees of the Young Mens' Christian Association, to lease suitable rooms in their new building for the public library. The Melrose National Bank has also leased rooms in the same building. By the removal of the public library and bank from the Town Hall, suitable arrangements can be made to accommodate the several departments of the town. The income for the past year has been barely sufficient with the appropriation to meet the general expenses. Owing probably to the business depression, the hall has not been let as well as in previous years, the receipts for 1894 being \$905.40, against \$1127.12 for 1893, a loss of \$221.72 in revenue, and with the prospect of the lyceum being given up, and the loss of the rental for the Melrose National Bank, a larger appropriation will be necessary for the use of the Town Hall. From a financial standpoint, it may not be the proper time now to make any extensive repairs upon the building, but for the credit of the town in having its buildings look neat and reputable, and to save more extensive repairs in the immediate future, there should be a certain amount done at the present time.

## STREET LIGHTS.

At the annual town meeting in March, we asked for an appropriation of \$9000 so the town could be properly lighted, but the town saw fit to appropriate only \$8000, and to make this amount so it would light the sections already supplied with lamps, we were obliged to cut the number of nights from twenty-five a month down to twenty. This is the service we have had since July 1st. We can continue this twenty night contract for \$650.13 per month, or twenty-five nights for \$763.50. It is for the town to decide, by the amount appropriated for these lights, whether they will have a twenty or twenty-five night service. The service given we do not admit is of the best, and have made numerous complaints, but they say that we receive good value and that the voltage is up to the amount contracted for.

## CLAIMS.

During the year numerous claims have been presented to the town for personal injuries and damages to property, and wherever the case has appeared to be one in which the town was liable, it has been our endeavor to settle the same satisfactorily without recourse to the courts. No claims have been settled without a full investigation, and the facts warranting the same. The following are the claims and their manner of disposal.

Mrs. Armington, by falling on icy sidewalk on Baxter street, breaking her wrist, settled for \$40.

T. Kerwin, damage to cart by reason of defect in highway, settled for \$10.

John Hitchings, accident to his child by reason of falling over a water shut-off, \$100.

Albert Nowell, for injuries received by falling on icy sidewalk, claim \$400, settled for \$50.

Thomas J. Ryder, injuries received by falling in sewer trench on Foster street, referred to sewer commissioners.

## PUBLIC HEARINGS.

On petition of Isaac V. Sypher that he be granted a license to carry on a hacking business at the Wyoming station, a hearing was held August 27, and the petition refused.

On petition of Geo. W. Bartlett that he be granted a license for a pool and billiard room on Foster street, a hearing was given Dec. 27, 1894 and the petition refused.

## SUITS TO WHICH THE TOWN IS A PARTY.

Louis R. Wallis vs. Town of Melrose, action of tort for alleged damages by reason of a defect in the highway.

Elizabeth F. Fitzpatrick vs. Town of Melrose, action of tort for alleged damages by reason of icy sidewalk.

Heath vs. Town of Melrose, for alleged breach of contract by the sewer commissioners.

Ellen Leonard vs. Town of Melrose, on account of widening of Main street.

Town of Melrose vs. Hiland, pending before the Supreme Court.

A. V. Lynde vs. Town of Melrose, for trespass by water commissioners.

A. V. Lynde vs. Town of Melrose, for taking of land by joint water board.

The following suits against the town have been settled:

IN THE COURTS.			JUDGMENT.
S. S. Bugbee, on account of widening Main street,			\$202 12
Bugbee & Barrett,	"	"	594 64
Justus Geist,	"	"	133 56
Geo. K. Harmon,	"	"	123 87
Aaron Hill,	"	"	745 99
Emeline S. Maxwell,	"	"	279 59
Eliza H. Curtis,	"	"	300 25
Joseph Edwards,	"	"	1,212 67
Carrie L. Spear,	"	"	408 50
Emily S. Morse, action for tort, . . . .			899 81

#### SETTLED BY COUNSEL.

J. C. Maker, on ccount of widening Main street,			505 00
Jas. McIntyre,	"	"	400 00
T. McCoubry,	"	"	274 12
Geo. F. Boardman,	"	"	600 00
E. S. Jack,	"	"	600 00

#### RULES FOR THE REGULATION OF CARRIAGES IN THE TOWN OF MELROSE, JULY 1, 1894.

Owing to the many complaints from citizens of the overcrowding of the sidewalks and streets at the railway stations in the town by public carriages, it was voted, in accordance with Chap. 197 of the Acts of 1885, to make the following rules and regulations for the government of hackney carriages in the town.

Sect. 1. No person shall set up and use any vehicle for the conveyance of passengers for hire, or wagons, carts, sleighs, or other vehicles for the conveyance from place to place within the town of Melrose for hire, or any goods, wares, furniture, merchandise, or other articles of transpor-



tation, without a license for every such vehicle so set up and used.

Sect. 2. Every person licensed to set up and use hackney carriages shall have marked in a conspicuous place on the outside of each carriage and upon each side thereof, the number of the license in plain figures of not less than one inch in height, and so that the same may be distinctly seen.

Every person licensed to set up and use any wagon, cart sleigh or other vehicle, as aforesaid, shall have placed upon the outside of each vehicle and upon each side thereof, the name of the owner and the number of the license in plain, legible words and figures of not less than one inch in height.

Sect. 3. No stand for any vehicle shall be allowed in front of any premises without the consent of the owner or occupant of said premises.

Sect. 4. No person shall permit any cart, carriage or vehicle of any description, under his care or control, to stand in any street so as to obstruct the travel over the same; and no person shall permit any such cart, carriage or vehicle under his care to stop upon or stand across any crosswalk in any street.

Sect. 5. No owner, driver or other person not licensed as aforesaid, having charge of any hackney carriage, truck, wagon or other vehicle, shall stand for employment with such carriage, truck, wagon or other vehicle, in any public way; and no person licensed as aforesaid shall stand for employment with his carriage, truck, wagon or other vehicle, in any public way, except at the stand assigned to such carriage, truck, wagon or other vehicle, by the board of selectmen under penalty of not less than two or more than twenty dollars.

Sect. 6. Every hack, cab, omnibus or other vehicle,

whether on wheels or runners, which shall be used for the conveyance of passengers for hire, from place to place within the town, shall be deemed a hackney carriage within the meaning of these regulations.

Sect. 7. All licenses granted as aforesaid shall expire on the first day of July next after the date thereof, and may be revoked at the pleasure of the board of selectmen, No license shall be sold, assigned or transferred without the consent of said board, and such consent shall be endorsed on the license and on the record thereof by the town clerk.

Sect. 8. No owner, driver or other person having charge of any vehicle, which stands in any particular place by virtue of a license, shall, under penalty not exceeding twenty dollars, leave such vehicle, when upon the stand attached to a horse, unless he put the same in care of some suitable person.

The person in whose name a license is taken out under the provisions of these regulations shall be considered the owner of the vehicle mentioned in the license and shall be liable to all penalties herein contained while he holds such license. The chief of police is charged with the enforcement of these provisions.

Sect. 9. Whosoever violates any of the provisions of these regulations shall be liable to a penalty not exceeding twenty dollars for each offense.

Sect. 10. The fee for any license provided for by these regulations shall be one dollar.

Sect. 11. The chief of police shall be the inspector of public carriages and shall have general supervision of all hackney carriages, cabs and other public vehicles (except street railway cars), and shall enforce all rules and regulations relating to the same. He shall examine and report upon all applications for licenses to set up and use such ve-

hicles and to drive the same, and shall keep a record of all licenses granted.

Sect. 12. He shall also be the inspector of wagons, and shall have general supervision of all vehicles used for the transportation of goods, wares, merchandise and materials for hire, from place to place within the town, and shall enforce all the rules and regulations relating to the same. He shall examine and report upon all applications for licenses for such purposes, and keep a record of all licenses granted.

In closing our report, we may well congratulate ourselves upon the general prosperity of the town, and thanking our fellow citizens for their kind and generous support in the transaction of our official duties.

We are respectfully,

DANIEL NORTON,  
SIDNEY H. BUTTRICK,  
JOHN P. DEERING,  
EUGENE H. MOORE,  
CHARLES W. COOK,

Selectmen of Melrose.



# RECORDS OF TOWN MEETINGS IN 1894.

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## WARRANT FOR MEETING,

JANUARY 4th, 1894.

*To either of the Constables of the Town of Melrose, in the County of Middlesex:* *GREETING.*

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of the town of Melrose, qualified to vote in elections and town affairs to meet at the Town Hall, on Thursday, the fourth day of January, A. D. 1894, at 7.45 o'clock, p. m., then and there to act on the following articles, viz.:

Article 1. To choose a moderator.

Art. 2. To see if the town will make a contract for an additional supply of water, in accordance with the recommendation of the committee on additional water supply.

Art. 3. To see if the town will accept the provisions of law relating to the election of sewer commissioners, as provided by the Acts of 1893, chapter 417, section 272.

Art. 4. To see if the town will instruct the committee on sewerage, to advertise for proposals to construct the whole or any portion of the sewerage system.

Art. 5. To see if the town will join the city of Malden and city of Medford and release unto the town of Stoneham all the right, title, interest and estate said cities and town of Melrose have in and to a lot of land containing about eleven

acres and situate in Stoneham and being the lot marked "Jos. W. Wilson" on plan of lands taken by said cities and town of Melrose recorded with Middlesex So. Dist. Deeds, Book of Plans No. 69, Plan No. 19.

Art. 6. To see if the town will join with the city of Malden and city of Medford and release unto Edwin S. Blaine all the right, title, interest and estate which said cities or town have in and to a lot of land situate in Stoneham containing about seventy-four one hundredths of an acre, being the lot marked "Samuel Cabot" on plan of lands taken by said cities and town of Melrose, recorded with Middlesex So. Dist. Deeds, Book of Plans No. 69, Plan No. 9.

Art. 7. To hear and act upon the reports of committees and for the transaction of any other business which may legally come before this meeting.

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post offices and depots in the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the warrant at the dwellings of the legal voters before the day of meeting. Hereof fail not, and make due return of this warrant, with your doings thereon, to the town clerk, at the time and place of said meeting.

Given under our hands this twenty-sixth day of December in the year one thousand eight hundred and ninety-three.

DANIEL NORTON,  
EUGENE H. MOORE,  
WM. A. WATERHOUSE,  
CHARLES W. COOK,  
SIDNEY H. BUTTRICK,

Selectmen of Melrose.

A true copy. Attest,

A. B. PIERCE, Constable.

*Meeting January 4, 1894, 7.45 o'clock.*

Article 1. Chose Levi S. Gould, Moderator.

Art. 2. *Voted*, That the town hereby adopt and ratify the contract or agreement made by the committee on additional water supply, (duly authorized by a previous vote) with the Middlesex Fells Spring Co., or its legal representatives, when lawfully incorporated to do business in this Commonwealth, and the said committee are hereby authorized in behalf of the town to sign said contract or agreement, and the treasurer is also authorized to pay upon said contract such sums for water furnished and delivered as may be approved by the board of water commissioners in accordance with the terms and conditions of the contract.

The above vote was taken by check lists, "Yes" and "No" ballots being used, and resulted "Yes" 59, "No" 18, Total 77.

Art. 3. *Voted*, That we hereby accept the provisions of Chapter 417, Acts of 1893, which relate to the election of sewer commissioners in towns, and that at the next annual meeting, three commissioners shall be elected to serve, one for one year, one for two years, and one for three years, in the same manner as other town officers are now elected and in accordance with provisions of statutes heretofore accepted, which relate to the Australian system as applied to town elections.

Vote taken by check list, "Yes" and "No" ballots being used. Unanimous vote,—19 votes being cast in the affirmative.

*Voted*, To take up

Art. 7. Report of committee on sewerage, submitted by



chairman, together with the report of Engineer Stevens to the committee, including also specifications, form of contract, etc.

Report accepted.

*Voted*, That all the documents submitted by the committee be printed in pamphlet form under direction of the Selectmen, and distributed to the citizens of the town.

Art. 4. *Voted*, That the committee on sewerage be authorized to advertise for proposals for the construction of that portion of sewer as recommended in report of said committee.

Art. 5. *Voted*, That the town of Melrose, the city of Malden, and the city of Medford concurring, doth hereby authorize and empower its treasurer, George Newhall, in the name and behalf of the town of Melrose to join with such person or persons as the city of Malden and the city of Medford shall severally designate and authorize to act on the part of their several municipalities, and to release and quitclaim, in conjunction with the city of Malden and the city of Medford unto the town of Stoneham, all the right, title, interest and estate which said cities and town of Melrose have in and to the following described lot of land formerly belonging to Joseph W. Wilson, situate in said Stoneham, on the westerly side of Andover turnpike, by the virtue of a taking thereof hereinafter referred to, by said city of Malden and the town (now city) of Medford, and town of Melrose, with the reservations and agreements in favor of said cities and town of Melrose hereinafter stated, viz: A certain lot of land situate in said Stoneham, on the westerly side of the Andover turnpike, so called, and bounded and described as follows, viz:—Beginning at the southeasterly



corner thereof on said turnpike by land of Elbridge Gerry, thence the line runs north  $1^{\circ} 18''$  west on said turnpike two hundred forty-seven (247) feet to a monument ; thence north  $12^{\circ} 45'$  east on said turnpike three hundred eighty-one (381) feet to land of E. J. Wadsworth ; thence north  $79^{\circ} 16'$ , west, two hundred fifty nine (259) feet ; thence north  $85^{\circ}$  west, fifty (50) feet ; thence north  $76^{\circ} 36'$  west, seventy-three (73) feet ; thence north  $79^{\circ}$  west, one hundred fifty (150) feet ; thence north  $31^{\circ} 14'$  west, four hundred eighteen (418) feet ; thence north one hundred thirty-two and nine-tenths (132.9) feet, to a corner ; thence north  $76^{\circ} 45'$  west, one hundred thirty-nine (139) feet to other land of said Wilson, the last seven courses being all by land of said Wadsworth ; thence south  $10^{\circ}$  east, one hundred seventeen (117) feet ; thence south  $15^{\circ} 30'$  east, four hundred fifty and 24-100 (450.24) feet ; thence south  $20^{\circ} 25'$  east, nine hundred thirty-one and 14-100 (931.14) feet to land of Elbridge Gerry, said last three courses being by other land of said Wilson ; thence north  $17^{\circ}$  east, one hundred fifteen (115) feet to a corner ; thence south  $74^{\circ} 50'$  east, one hundred eighty and 9-10 (180.9) feet ; thence north  $3^{\circ} 17'$  west, one hundred seventy-three and 87-100 (173.87) feet ; and thence south  $79^{\circ}$  east, one hundred thirty-five and 58-100 (135.58) feet to the point of beginning ; said last four courses being by said land of Gerry. Containing eleven (11) acres, more or less, and being the lot marked Joseph W. Wilson on a plan of land supposed to belong to Joseph W. Wilson, taken by the city of Malden and the towns of Medford and Melrose under the Water Acts, surveyed by I. S. Lucas, C. E., January, 1891, and recorded with Middlesex South District Plans, Book of Plans No. 69, Plan No. 19, to which reference is hereby made. And the conveyance thereof is to be made subject to the following reservation and agreements, to wit : That said cities and town of Melrose reserve a convenient and

practical right of way in and over the said premises twenty-five feet wide, from said turnpike to some convenient entrance to and upon the land of said cities and town of Melrose, situate northerly of and adjoining the described premises, for passing and repassing therein with carts, teams, and on foot. Said town of Stoneham to agree for itself and its assigns to and with said cities and town of Melrose that neither it nor they will hinder or divert the natural flow of water over and across said premises to Spot pond and its tributaries, nor will use nor will allow said premises to be used for such purposes or in such manner as will endanger the purity of the waters of Spot pond, or its tributaries, and with the agreement by said town of Stoneham for itself and its assigns that said town of Stoneham or its assigns will keep the low ground part of said premises free of filth and with suitable channel for the free passage of water across the same, or will permit the grantors or either of them to enter and do the same by their servants and agents as occasion may require.

Art. 6. *Voted*, That the town of Melrose, the city of Malden, and the city of Medford concurring, doth hereby authorize and empower its treasurer, George Newhall, in the name and behalf of the town of Melrose to join with such person or persons as the city of Malden and the city of Medford shall designate and authorize to act on the part of their several municipalities and to release and quitclaim in conjunction with the city of Malden and the city of Medford unto Edwin S. Blaine, of said Malden, all the right, title, interest and estate, which said cities and town of Melrose have in and to the following described lot of land situate in Stoneham in the Commonwealth of Massachusetts, on the easterly side of Pond street, by virtue of a taking thereof, hereinafter referred to, by the city of Malden and the town

(now city) of Medford and the town of Melrose, to wit :— Beginning at the northwesterly corner thereof, on said Pond street, by land now or late of heirs of William Foster, thence the line runs north  $4^{\circ} 57'$  east by said Foster land eighty-two (82) feet ; thence south  $70^{\circ} 57'$  east, by other land of said Blaine, one hundred thirty-five (135) feet ; thence south  $59^{\circ} 02'$  east by other land of said Blaine four hundred ninety-three and  $58-100$  (493.58) feet to said Pond street; thence about northwesterly on said Pond street to the point begun at ; being the lot marked "Samuel Cabot" on a plan of lands taken by the city of Malden and the towns of Medford and Melrose under the Water Acts, surveyed by I. S. Lucas, C. E., January, 1891, and recorded with Middlesex South District Deeds, Book of Plans 69, Plan No. 9.

Previous to passage of vote under Article 2, a verbal report was made by the committee on additional water supply, which was accepted by vote.

*Voted*, to adjourn.

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WARRANT FOR MEETING,

MARCH 5th, 1894.

*To either of the Constables of the Town of Melrose in the County of Middlesex:*

GREETING.

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of the town of Melrose, qualified to vote in elections and town affairs to meet at the Town Hall, on Monday, the fifth day of March,

A. D. 1894, at 6 o'clock, a. m., then and there to act on the following articles, viz.:

Article 1. To choose a moderator.

Art. 2. To bring in their votes for town officers, and in answer to the question "Shall licenses be granted for the sale of intoxicating liquors in this town?" All ballots are to be furnished by the town, and will be distributed at the polls by officers duly appointed in accordance with provisions of laws accepted by the town. Polls to be kept open until 5.30 p. m.

Art. 3. To choose any other town officers deemed necessary, or required by law.

Art. 4. To authorize the town treasurer to borrow money for the purpose of meeting the demands of the town, with the approval of the selectmen.

Art. 5. To hear and act upon the report of the finance committee, appointed at meeting Nov. 23, 1893.

Art. 6. To determine the amount of money to be raised and appropriated to defray town charges for the ensuing year, and for payment of the town debt.

Art. 7. To fix the compensation of all officers and committees elected or appointed by the town.

Art. 8. To raise money for the use of water in hydrants, public buildings, etc., and for any other necessary expenses for the ensuing year.

Art. 9. To determine the method by which the taxes for the year shall be collected.

Art. 10. To see if the town will authorize the treasurer to sell water fund bonds for the purpose of paying the cost of constructing and extending the water works.

Art. 11. To see if the town will raise the sum of \$200 for keeping in repair and decorating the graves of soldiers on Memorial day.

Art. 12. To see if the town will adopt the rules and regulations regarding plumbing, presented by the board of health at the meeting held Nov. 23, 1893, and ordered printed.

Art. 13. To hear and act upon the report of the special committee appointed March 30, 1893, to investigate and report concerning overseers of the poor.

Art. 14. To see if the town will revoke the acceptance of chapter 186, of the statutes of the year 1877, entitled, "An act in relation to overseers of the poor."

Art. 15. To see if the town will authorize the selectmen, or sewer commissioners, when elected, to petition the legislature for authority to issue bonds to be applied to the construction of a system of sewerage in the town of Melrose, and for any other legislation which may be deemed necessary; also to pass any other vote or votes connected with the subject of sewerage which may be desirable.

Art. 16. To hear the report of committee on central fire station, and take action in regard to same.

Art. 17. To see if the town will vote to build a new central fire station, and authorize the treasurer to borrow money for the same. (By request of board of engineers of fire department).

Art. 18. To see if the town will vote to change the fire alarm bell and striking apparatus from the Franklin street school house to the tower of hose house at Melrose Highlands. (On petition of Geo. J. Bicknell and eleven others.)

Art. 19. To raise or appropriate the sum of \$420.00 to pay the members of hose company No. 4 the same salaries as paid other hose companies in the town. (By request of board of engineers of fire department.)

Art. 20. To see if the town will vote to allow S. E. Benson to build a covered stairway over Ell pond brook at or near Main street, to form a part of a building which he pro-



poses to erect on his land bounding upon said Main street. (On petition of Moses S. Page and ten others.)

Art. 21. To see if the town will raise or appropriate the sum of \$3,500.00 for the purpose of completing the widening of Main street.

Art. 22. To see if the town will authorize the selectmen to purchase a new steam road roller, and raise or appropriate money for the same.

Art. 23. To see if the town will authorize the selectmen to purchase five horses for use in the highway department, and appropriate money for the same.

Art. 24. To see what action the town will take on the recommendation of the selectmen relative to the building of a stable for town purposes.

Art. 25. To see if the town will place a fire alarm box at the corner of Third street and Waverly ave., and appropriate money for the same.

Art. 26. To hear and act upon the reports of committees and for the transaction of any other business which may legally come before this meeting.

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post offices and depots in the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the warrant at the dwellings of the legal voters before the day of meeting. Hereof fail not, and make due return of this warrant, with your doings thereon, to the town clerk, at the time and place of said meeting.

Given under our hand this fifteenth day of February, in the year one thousand eight hundred and ninety-four.

DANIEL NORTON,  
CHARLES W. COOK,  
WM. A. WATERHOUSE,  
EUGENE H. MOORE,  
SIDNEY H. BUTTRICK,

Selectmen of Melrose.

A true copy. Attest,

A. B. PIERCE, Constable.

*Annual Town Meeting, March 5, 1894, 6 o'clock a. m.*

Article 1. Chose Levi S. Gould, Moderator.

Art. 2. Ballot officers appointed by the Selectmen :

*Inspectors.*

Samuel Lear,  
Albon W. Parker.

*Deputy Inspectors.*

Henry Osborne,  
Curtis S. Gordon.

*Tellers.*

Herbert A. Weeks,	John J. McCullough,
Stephen W. Harvey,	John J. Buckley,
Sidney D. Farrar,	Edgar C. Bridgham,
Thomas T. Bailey,	Chas. W. Cochrane,
Henry E. Johnson.	

*Voted*, That the transaction of town business be postponed to Monday evening, March 12, 1894, at 7.30 o'clock, p. m., and that when this meeting adjourns it shall be to that time.

*Voted*, That the adjourned meetings be held on successive Monday evenings at 7.30 o'clock, until the articles in the warrant have been acted upon and final adjournment shall be made.

Polls opened at 6 o'clock a. m. Closed at 5.30 o'clock p. m.

Total number of ballots cast . . .	1342
Ballot box registered . . . . .	1333

*Selectmen.*

	VOTES.
Sidney H. Buttrick, 87 Essex street, . . .	926
Charles W. Cook, 59 Walton Park, . . .	920
John P. Deering, 486 Lebanon street, . . .	601
Curtis C. Goss, 20 Chestnut Park, . . .	591
Stephen A. Lovejoy, 50 Youle street, . . .	564
Eugene H. Moore, 220 Porter street, . . .	965
Daniel Norton, 11 Chestnut street, . . .	752
William A. Waterhouse, 26 Oakland street, . . .	456
Scattering, . . . . .	1
Blanks, . . . . .	934
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Total, . . . . .	6710

*Town Clerk.*

Edward K. Bordman, 94 Cottage street, . . .	1190
Scattering, . . . . .	2
Blanks, . . . . .	150
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Total, . . . . .	1342

*Town Treasurer.*

George Newhall, 96 Myrtle street, . . .	1146
John Larrabee, 34 Foster street, . . .	38
Blanks, . . . . .	158
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Total, . . . . .	1342

*Collector of Taxes.*

Addison Lane, 143 Myrtle street, . . .	1158
Blanks, . . . . .	184
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Total, . . . . .	1342



*Assessor, for three years.*

Henry A. Leonard, 499 Lebanon street, . . .	735
Arthur M. Willis, 48 Baxter street, . . .	444
Scattering . . . . .	1
Blanks, . . . . .	163
Total, . . . . .	<u>1342</u>

*Sewer Commissioner, for three years.*

Seth E. Benson, 9 Cedar Park, . . . .	664
Levi S. Gould, 280 Main street, . . . .	501
Scattering, . . . . .	1
Blanks, . . . . .	176
Total, . . . . .	<u>1342</u>

*Sewer Commissioner, for two years.*

L. Frank Hinckley, 123 Foster street, W.. . .	1069
Scattering, . . . . .	3
Blanks, . . . . .	270
Total, . . . . .	<u>1342</u>

*Sewer Commissioner, for one year.*

John Larrabee, 34 Foster street, W., . . .	785
Peter J. Lynch, 29 Circuit street, . . . .	404
Blanks, . . . . .	153
Total, . . . . .	<u>1342</u>

*Water Commissioner, for three years.*

George J. Bicknell, 92 Highland ave., . . .	1082
Scattering, . . . . .	2
Blanks, . . . . .	258
Total, . . . . .	<u>1342</u>

*Water Loan Sinking Fund Commissioner, for three years.*

Royal P. Barry, 53 Oakland street, . . . .	1045
Scattering, . . . . .	2
Blanks, . . . . .	295
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Total, . . . . .	1342

*School Committee, for three years.*

John Dike, 120 Emerson street, W., . . . .	666
Susan F. Flanders, 22 Hillside avenue, . . . .	618
Mrs. Frank J. Hunt, 25 Rowe street, . . . .	316
John C. Maker, 2 Mt. Vernon place, . . . .	602
Scattering, . . . . .	2
Blanks, . . . . .	480
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Total, . . . . .	2684

*Trustees of Public Library, for three years.*

Mary L. Charles, 55 Hillside avenue, . . . .	1022
George E. Munroe, 34 So. High street, . . . .	993
Scattering, . . . . .	1
Blanks, . . . . .	668
<hr/>	
Total, . . . . .	2684

*Auditor.*

Edwin C. Gould, 334 Main street, . . . .	1073
Scattering, . . . . .	4
Blanks, . . . . .	265
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Total, . . . . .	1342

*Overseer of the Poor, for three years.*

Henry G. Fields, 143 Rowe street, . . . .	1045
Scattering, . . . . .	5
Blanks, . . . . .	292
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Total, . . . . .	1342

*Overseer of the Poor, for two years.*

Rufus D. Kilgore, 63 Sargent street, . . .	347
Thomas W. Ripley, 24 Cliff street, . . .	632
Blanks, . . . . .	363
Total, . . . . .	<u>1342</u>

*Board of Health, for three years.*

Ephraim L. Warren, 616 Main street, . . .	911
Scattering, . . . . .	4
Blanks, . . . . .	427
Total, . . . . .	<u>1342</u>

*Park Commissioner, for three years.*

Maurice G. Cochrane, 63 Howard street, . .	1006
Blanks, . . . . .	336
Total, . . . . .	<u>1342</u>

*Constables,*

Osborne E. Drown, 43 Foster street, E., . .	1027
C. F. W. Fogg, 102 Foster street, E., . . .	1022
Frank M. McLaughlin, 41 Upham street, . .	949
Ansel B. Pierce, 10 Emerson street, E., . .	1053
Scattering, . . . . .	3
Blanks, . . . . .	1314
Total, . . . . .	<u>5368</u>

*License Question.*

"Yes," . . . . .	247
"No," . . . . .	902
Blanks, . . . . .	193
Total, . . . . .	<u>1342</u>

## RECOUNT OF BALLOTS.

On petitions duly filed as required by law asking for a recount of ballots cast at an election of town officers, March 5, 1894, for selectmen and school committee, all parties interested were notified to appear at the selectmen's room, Town Hall, Thursday evening, March 8, 1894, at 7.30 o'clock, p. m. The ballots were examined and recounted with the following result :

*For Selectmen.*

Eugene H. Moore, . . . . .	962
Sidney H. Buttrick, . . . . .	927
Charles W. Cook, . . . . .	919
Daniel Norton, . . . . .	752
John P. Deering, . . . . .	600
Curtis C. Goss, . . . . .	591
Stephen A. Lovejoy, . . . . .	567
William A. Waterhouse, . . . . .	458
Scattering, . . . . .	1
Blanks, . . . . .	933
	<hr/>
	6710

*For School Committee.*

John Dike, . . . . .	666
Susan F. Flanders, . . . . .	619
John C. Maker, . . . . .	604
Mrs. Frank J. Hunt, . . . . .	314
Scattering, . . . . .	2
Blanks, . . . . .	479
	<hr/>
	2684

*Adjourned Meeting, March 12, 1894, 7.30 p. m.*

Met according to adjournment.

Voted to take up article 15.

*Voted*, That the selectmen, for and in behalf of the town, are hereby authorized to petition the legislature for the passage of an act authorizing the issue of bonds to the amount of one hundred thousand dollars (\$100,000), bearing interest at not exceeding four per cent. per annum, the proceeds to be used for the construction of a sewerage system for the town of Melrose, and for the passage of such other legislation as may be deemed necessary for the building, maintenance and operation of said system.

Art. 3. Officers elected.

Measurers of wood and bark, weighers of hay and coal, Charles B. Goss, Seth E. Benson and Fred H. Goss; fence viewers, Dexter Pratt and Walter C. Stevens; field drivers, Otis Howard and Frank Gibbons; pound keeper, Joseph Edwards; committee on cemeteries, John Larrabee, George Newhall, Daniel Russell; forest fire wards, Dexter Pratt, Calvin Locke, Chase C. Worthen, James Marshall.

Art. 4. *Voted*, unanimously, That the treasurer be authorized, with the approval of the selectmen, to hire money to renew, replace or pay any existing loan or loans, also to hire money in anticipation of the taxes for the current year to meet expenses, and issue notes of the town therefor.

Art. 5. Report of the finance committee read and accepted.

Art. 6. To raise and appropriate the following sums for

the purposes named, being in addition to the balances now to the credit of the following accounts, viz.:

For Contingent expenses, . . . . .	\$3,000
Fire alarm, . . . . .	200
Fire department, . . . . .	7,900
\$500 of which is to be expended for new hose.	
Health department, . . . . .	1,500
Highways, etc., . . . . .	12,000
Insurance, . . . . .	700
Military aid, . . . . .	200
Numbering buildings, . . . . .	50
Public parks, . . . . .	100
Police department, . . . . .	7,800
Support of poor, . . . . .	7,000
Support of schools, . . . . .	47,000
Interest, . . . . .	6,000
Concrete sidewalks, the receipts and . . . . .	2,500

One-half the expense of laying concrete walks opposite estates, to be expended as in previous years. The appropriation, balance and receipts to be expended as follows, viz.:

For repairs of existing walks, . . . . .	\$500
Continuous walks, . . . . .	1,500

The remainder to be expended under the direction of the selectmen.

For Soldiers' relief, . . . . .	\$750
Street lights, . . . . .	8,000
Town hall, the receipts and . . . . .	600
Reduction of town debt, bank and corporation tax and . . . . .	5,000
Public library, the dog tax and . . . . .	1,000

*Deficiencies.*

For Highland hose carriage, . . . . .	\$435 00
Main street widening, . . . . .	1,500 00
Cleveland street, . . . . .	1,000 00
Insurance, . . . . .	28 38
Interest, . . . . .	1,096 70
Soldiers' relief, . . . . .	44 86
Town Hall, . . . . .	97 63

*Voted*, That the town treasurer be authorized to borrow, not exceeding the sum of twelve thousand dollars (\$12,000), for the purpose of paying the cost of widening and improving Main street, under the direction of the selectmen, and in accordance with the order of the county commissioners.

Art. 7. *Voted*, To raise and appropriate the following amounts to pay salaries of town officers, viz.:

Board of selectmen, . . . . .	\$1,000
Town clerk, . . . . .	300
Town treasurer, . . . . .	500
Town auditor, . . . . .	300
Overseers of the poor, . . . . .	300
Three assessors, . . . . .	750
Clerical services for assessors, . . . . .	250
Board of health, . . . . .	150
Registrars of voters, . . . . .	225
Inspector of buildings, . . . . .	100
Forest fire wards, . . . . .	75
Collector of taxes, $\frac{1}{2}$ of 1% on real and personal property, and $7\frac{1}{2}$ % on polls, estimated at . . . . .	1,200

The salaries of water commissioners shall be \$50 each; cemetery committee, \$25 each; superintendent of streets, \$1,000; water registrar, \$800; superintendent of water

department, \$1,100; treasurer of sinking fund, \$50, sewer commissioners, \$50 each. To be paid from the funds of their several departments.

Art. 8. *Voted*, To raise \$3,000 for the use of water in hydrants, public buildings, etc.

Art. 9. *Voted*, unanimously, That all single poll and personal taxes be due on delivery of bills, and payable on or before October 1, 1894. That all other taxes be made payable on or before October 1, 1894, and that interest be added upon all taxes remaining unpaid after that date at the rate of six per centum, per annum; that all property upon which the taxes remain unpaid June 1, 1895, be sold by the collector in accordance with the provisions of law, and that he be instructed to strictly carry out the provisions of the above vote.

Art. 10. *Voted*, unanimously, That the treasurer be authorized to issue and sell twelve water bonds of the issue of 1893, nos. 39 to 50, for the purpose of paying the cost of construction and extending the water works.

Art. 11. *Voted*, unanimously, To raise the sum of two hundred dollars (\$200), for decorating soldiers' graves on Memorial Day.

Art. 12. *Voted*, unanimously, To adopt the rules and regulations regarding plumbing, presented by the board of health at the meeting held November 23, 1893, and ordered printed.

Art. 13. Report of special committee, appointed March 30, 1893, to investigate concerning the overseers of the poor; read, accepted and committee discharged.

Art. 14. *Voted* to indefinitely postpone.



*Voted*, to adjourn to Monday evening, March 19, 1894, at 7.30 o'clock.

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*Adjourned Town Meeting, March 19, 1894, 7.30 p. m.*

Met as per adjournment.

*Voted*, unanimously, That in making contracts for the putting in of the proposed sewer system, the board of sewer commissioners be directed to require that in all work in this town preference shall be given to voters of Melrose; and that the rate of compensation for them be the same as that fixed under similar conditions for work in the highway department of the town.

Art. 16. Report of committee on central fire station, read, accepted, and committee discharged.

Art. 17. Moved and seconded, That the sum of eighteen thousand dollars (\$18,000), be appropriated for the purpose of erecting a central fire station on land belonging to the town on Main street; that a committee of five be appointed to build the same and that the town treasurer be authorized to borrow the said sum. After much animated discussion a vote was taken, using the check lists and printed ballots.

Result of the voting.

Whole number of ballots cast,	.	.	.	.	382
“Yes,”	.	.	.	.	191
“No,”	.	.	.	.	191

Two-thirds not having voted in the affirmative as required by law, the motion was declared not carried.

Mr. Adams gave notice of his intention to ask for a reconsideration.

*Voted*, To adjourn to Monday evening, March 21, 1894, at 7.30 o'clock.

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*Adjourned meeting, March 26, 1894, 7.30 o'clock.*

Met according to adjournment.

Article 17. *Voted*, unanimously, That the matter of the central fire station be referred back to the old committee, to be brought up again at some future meeting under an article in the warrant; and that the selectmen be added to that committee.

Art. 18. Not a vote.

Art. 19. Referred to the fire department.

Art. 20. Not a vote.

Art. 21. *Voted*, That the sum of thirty-five hundred dollars (\$3,500), be borrowed for the purpose of widening Main street.

Art. 22. *Voted*, To indefinitely postpone.

Art. 23. *Voted*, To indefinitely postpone.

Art. 24. *Voted*, To indefinitely postpone.

Art. 25. Referred to the fire department.

Art. 26. The following preamble and resolution was unanimously adopted :

*Whereas*, The present method, (or want of method), of displaying the flag of our country upon the school buildings of the town, neither shows proper respect for the flag nor tends to cultivate in the minds of the children a proper regard and reverence for it as the emblem of our nationality:

*Resolved*, That the school committee be instructed to adopt and enforce such rules as may be necessary to secure the proper display of the flag of our country upon the school buildings of the town.

*Voted*, To accept the town report of 1893.

*Voted*, That a committee of five be appointed to consider the expediency of procuring a lot of land suitable for storage purposes, and report at the town meeting.

The selectmen were appointed as that committee.

*Voted*, That the selectmen be a committee to act in conjunction with the board of selectmen of Stoneham, or, a committee appointed for that purpose, to reset the boundary stones between said towns in accordance with the recent survey made under the auspices of the Commonwealth.

*Voted*, That the moderator, the town clerk, the town treasurer, and two others to be appointed by the chair, be a committee to design a new seal for the town, and report at a future meeting. The added names are those of Rev. A. G. Bale and Mr. E. H. Goss.

*Voted*, That the whole matter relating to the accommodation of town officials in the Town Hall building be referred to the board of selectmen with full power.

*Voted*, To accept the report of the board of selectmen, relating to sign boards, etc.

*Voted*, To adjourn sine die.

## WARRANT FOR MEETING,

MAY 7, 1894.

*To either of the Constables of the Town of Melrose, in the County of Middlesex :* *GREETING.*

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of the town of Melrose, qualified to vote in elections and town affairs to meet at the Town Hall, on Monday, the seventh day of May, A. D. 1894, at 7.30 o'clock, p. m., then and there to act on the following articles, viz.:

Article 1. To choose a moderator.

Art. 2. To see if the town will accept the provisions of Chapter 323 of the Acts of 1894, entitled "An Act to authorize the town of Melrose to incur indebtedness for the purpose of constructing a system of sewerage," and authorize the issue of the bonds, notes, or scrip, contemplated in the act, designate their denomination, length of time, and interest, and pass any other votes necessary to carry out the will of the town.

Art. 3. To see if the town will authorize its treasurer to borrow money in anticipation of the issue of the sewer bonds.

Art. 4. To see if the town will authorize its treasurer to borrow money in anticipation of the taxes of the current municipal year.

Art. 5. To determine whether the town will vote to fix the time of maturity of its water bonds that have been and shall hereafter be issued, under the Act of 1893, Chapter 433, and ratify and confirm the acts of its treasurer and other officers relating thereto, and establish a sinking fund therefor.

Art. 6. To see what disposition the town will make of

the lot of land and the building thereon, situated at the corner of Main and Lynde streets, known as the Barry lot.

Art. 7. To see what action the town will take in regard to the procuring of new rooms for the public library, in order that the several offices of the town may be properly accommodated in the Town Hall.

Art. 8. To see if the town will accept a deed from James McIntyre, Rhoda P. Littlefield and Homer S. Littlefield, of the land between Main street and Ell pond, from Ell pond brook northerly to land now, or formerly, of McIntyre and Shute.

Art. 9. To hear and act upon the reports of committees, and for the transaction of any other business which may legally come before this meeting.

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post offices and depots in the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this warrant, with your doings thereon, to the town clerk, at the time and place of said meeting.

Given under our hands this twenty-eighth day of April in the year one thousand eight hundred and ninety-four.

DANIEL NORTON,  
SIDNEY H. BUTTRICK,  
JOHN P. DEERING,  
EUGENE H. MOORE,  
CHARLES W. COOK,

Selectmen of Melrose.

A true copy, Attest,

A. B. PIERCE, Constable.

*Meeting Monday, May 7, 1894, 7.30 p. m.*

Article 1. Chose Levi S. Gould Moderator, by a unanimous vote.

Art. 2. *Voted*, unanimously, That the town accept the provisions of Chapter 323, of the act passed by the General Court of Massachusetts in the year 1894, entitled "An act to authorize the town of Melrose to incur indebtedness for the purpose of constructing a system of sewerage."

*Voted*, unanimously, That the town issue, under the authority given by said act, one hundred bonds of one thousand dollars (\$1,000), each, bearing date June 1, A. D. 1894, payable in thirty (30) years from said date, with interest payable semi-annually, at the rate of four (4) per cent. per annum, said bonds to bear on their face the words: "Melrose Sewerage Loan, Act of 1894;"—shall be signed by the treasurer and countersigned by the sewerage commissioners of the town.

*Voted*, unanimously, That the town treasurer sell direct from time to time, seventy-five of the sewerage bonds, the issue of which has just been authorized, for the highest obtainable price, by giving notice, by publication, or otherwise, to the purchasers of municipal bonds, to make sealed bids for the whole or any part thereof. The offer of the highest bidder to be accepted if the same shall be satisfactory to the treasurer, the right being reserved by him to reject any or all of the said bids.

Art. 3. *Voted*, unanimously, That the treasurer be authorized to borrow temporarily such sum or sums of money as may be necessary to pay bills contracted on account of constructing a system of sewerage. Such loan or loans to be paid out of the proceeds from the sale of sewerage bonds.



Art. 4. *Voted*, unanimously, That the treasurer be authorized to borrow, with the approval of the selectmen, a sum of money not exceeding seventy thousand dollars, (\$70,000), in anticipation of the taxes of the current municipal year, and payable therefrom.

Art. 5. *Voted*, unanimously, That the town does hereby ratify and confirm the acts of the treasurer in executing and delivering water bonds to the town to the amount of thirty-eight thousand dollars, (\$38,000), under authority of the votes of the town passed on the 24th of June, 1893, 20th of July, 1893, 11th of September, 1893, and 23d of November, 1893. The said bonds being dated the 1st of October, 1893, payable twenty years from their date, and being bonds Nos. 1-38, inclusive, of the "Melrose Water Loan, Act of 1893," and that the said bonds are hereby adopted as valid obligations of the town.

*Voted*, further, That the bonds of the town specified in the vote passed on the 12th of March, 1894, being "Melrose Water Loan" bonds, Nos. 39-50, inclusive, shall be dated the 1st of October, 1893, and shall be payable twenty years from their date, and shall be executed and issued in all respects in accordance with the provisions of the said vote and the vote passed on the 24th of June, 1893, and of the Act of 1893, Chapter 433, and the proceeds of the sale of said bonds shall be used only for the purposes specified in the said act.

*Voted*, further, That the sinking funds that have been and may hereafter be accumulated under the provisions of the Act of 1870, Chapter 160, Section 7, shall be applicable, so far as they may be, to the payment of the principal and interest of the said "Melrose Water Loan," act of 1893, and that the surplus of the net income and the water rents,



together with all amounts appropriated from time to time for the payment of the principal sum shall continue to be set apart as a sinking fund as provided in the said act.

Art. 6. *Voted*, unanimously, That the selectmen be and hereby are authorized to sell for removal the building on the town land on the corner of Lynde and Main streets, known as the Barry lot, and after said building is removed that the said land be transferred to the park commission of the town for public use.

Art. 7. *Voted*, unanimously, That the contract dated April 24, 1894, provisionally made between the board of trustees of the Young Men's Christian Association, of Melrose, and the selectmen and the trustees of the public library of Melrose, for the use by the town of quarters in the building to be erected by said Young Men's Christian Association, is hereby ratified and approved.

Art. 8. *Voted*, unanimously, To accept a deed from James McIntyre, Rhoda P. Littlefield and Homer S. Littlefield, of the land between Main street and Ell pond, from Ell pond brook northerly to land now, or formerly, of McIntyre and Shute.

Art. 9. No business presented under this article.

*Voted*, To adjourn sine die.

## WARRANT FOR MEETING

JULY 9, 1894.

*To either of the Constables of the town of Melrose in the county  
of Middlesex:* *GREETING.*

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of the town of Melrose, qualified to vote in elections and town affairs to meet at the Town Hall, on Monday, the ninth day of July, A. D. 1894, at 8 o'clock, p. m., then and there to act on the following articles, viz. :

Article 1. To choose a moderator.

Art. 2. To see if the town will vote to release, in conjunction with the city of Malden and the city of Medford, unto Jonathan Munyan, Simeon Snow and Elmer P. Howe, trustees under a declaration of trust, dated April 12th, 1893, and recorded with Middlesex So. Dist. Deeds, book 2187, page 13, all the right, title, interest and estate which the town of Melrose and the cities of Malden and Medford have in and to a lot of land, situate in that part of Stoneham called Wyoming, and bounded southeasterly on Woodland road, sometimes called Wyoming street, northeasterly on land of Wheildon, northwesterly in part on land formerly of Coleman and in part on land formerly of Caraher, and in part on land conveyed to the said town of Melrose and the cities of Malden and Medford, by said Munyan et als., trustees, and southwesterly on land of the city of Medford, by virtue of a taking thereof by the town of Melrose and the cities of Malden and Medford, the lands to be so released to be more particularly described in the written vote to be offered for the passage by the town, to authorize such release.

Art. 3. To see if the town will vote to release, in conjunction with the city of Malden and the city of Medford,

unto the trustees named in the preceding article, all the right, title, interest, which the town of Melrose and said cities of Malden and Medford have in and to the following lot of land situate in that part of Stoneham called Wyoming, and being lot number one marked Z. H. Mayo, lots number three and four, both marked Alice J. Hall, lot number nine, marked Helen L. Butterfield, lot number ten, marked L. W. Gilman, lot number eleven, marked L. W. Gilman, and lot number eight, marked C. F. Churchill, on a plan of lands taken by the town of Melrose, city of Malden and the town (now city) of Medford, under their water acts, recorded with Middlesex So. Dist. Deeds, Book of Plans number sixty-nine, plan number four, and more particularly to be described in the written vote to be offered for passage by the town authorizing such release.

Art. 4. To see if the town will vote to release, in conjunction with the city of Malden and city of Medford, unto Joel E. Foster all the right, title, interest and estate, which the town of Melrose and the cities of Malden and Medford have in and to the lot of land situate in that part of Stoneham called Wyoming, and being lot number seven, marked Joel E. Foster, on the plan mentioned in article two of this warrant, and unto Patrick J. Coleman, all the right, title, interest and estate which the town of Melrose and said cities have in and to that lot of land, situate in said Wyoming, and being lot number six, marked Patrick J. Coleman on said plan, and unto George F. Coleman all the right, title, interest and estate, which the town and said cities have in and to that lot of land, situate in said Wyoming and being lot number five, and marked George F. Coleman on said plan, by virtue of a taking of said lots of land by the town of Melrose, the city of Malden and the town (now city), of Medford under their water acts, the land to be released

to be more particularly described in the written votes to be offered for passage by the town to authorize such release.

Art. 5. To see if the town will borrow the sum of twenty-five hundred dollars for the purpose of further improvements on Main street.

Art. 6. To hear and act upon the reports of committees and for the transaction of any other business which may legally come before this meeting.

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post offices and depots in the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this warrant, with your doings thereon, to the town clerk, at the time and place of said meeting.

Given under our hands this twenty-ninth day of June in the year one thousand eight hundred and ninety-four.

DANIEL NORTON,  
SIDNEY H. BUTTRICK,  
JOHN P. DEERING,  
EUGENE H. MOORE,

Selectmen of Melrose.

A true copy. Attest,

A. B. PIERCE, Constable.

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*Meeting Monday, July 9, 1894, at 8 o'clock, p. m.*

Article 1. Chose Levi S. Gould Moderator by a unanimous vote.

Art. 2. *Voted*, unanimously, That the town of Melrose in conjunction with the city of Malden and the city of Med-

ford release unto Jonathan Munyan, of Worcester, Simeon Snow, of Cambridge, and Elmer P. Howe, of Boston, in the Commonwealth of Massachusetts, as they are trustees under a declaration of trust dated April 12, 1893, and recorded with Middlesex So. Dist. Deeds, book 2187, page 13, all the right, title, interest and estate which said town and cities have in and to the tract of land hereinafter described by virtue of a taking thereof by the town of Melrose, the city of Malden and the town of Medford (now city of Medford), under their water acts, to wit: a certain lot of land situate in Stoneham, in the part thereof called Wyoming, in said Commonwealth, on the westerly side of Wyoming street, otherwise called Woodland road, and bounded and described as follows, viz: beginning at the north-easterly corner thereof on said Woodland road by land of Wheildon, thence about southwesterly on said Woodland avenue about four hundred and fifty-four and 10-100 (454.10) feet to land of the city of Medford, thence about north-westerly on said land of the city of Medford two hundred and fifty-two and 34-100 (252.34) feet to a stake, thence about north-easterly in part on land deeded to said city of Medford and city of Malden and town of Melrose by said Jonathan Munyan and others, trustees as aforesaid, and in part on land formerly of Caraher, and in part on land formerly of Coleman, about four hundred and seventy-four and 69-100, (474.69) feet, to said Wheildon land to a stake, thence about south-easterly on said Wheildon land about two hundred and twenty and 4-10 (220.4) feet to the point begun at; being a part of the land taken by the city of Malden, town of Medford (now city of Medford), and the town of Melrose as shown on a plan thereof and marked Jonathan Munyan, et als., trustees, and recorded with Middlesex So. Dist. Deeds, book of plans No. 69, plan No. 1. And George Newhall, treasurer of the town of Melrose, is hereby authorized in the

name of said town of Melrose to join with such person or persons as said city of Malden and said city of Medford shall severally authorize to act in effecting such release, and for the consideration of one dollar release and quitclaim the described premises unto said Munyan, Snow and Howe, trustees as aforesaid, their successors, heirs and assigns. Such release to be in full satisfaction of any and all damages by reason of the taking of said premises as aforesaid.

Art. 3. *Voted*, unanimously, That the town of Melrose in conjunction with the city of Malden and the city of Medford, release unto Jonathan Munyan, of Worcester, Simeon Snow, of Cambridge, and Elmer P. Howe, of Boston, in the Commonwealth of Massachusetts, as they are trustees under a declaration of trust dated April 12, 1893, and recorded with Middlesex So. Dist. Deeds, book 2187, page 13, all the right, title, interest and estate which said cities and town have in and to the tract of land hereinafter described by virtue of a taking thereof by the town of Melrose, the city of Malden and the town of Medford (now city of Medford), under their water acts, to wit : a certain lot of land situate in Stoneham, in the part thereof called Wyoming, in said Commonwealth, on the westerly side of Woodland road, called on the plan, hereinafter referred to, Wyoming street, and described as follows, viz.: southerly on Hurd avenue about ninety-seven and 6-10 feet; easterly on said Woodland road, or Wyoming street, about two hundred and forty-six and 60-100 feet; northerly on the land marked Langwood avenue on said plan, about one hundred and one and 7-10 feet; westerly on lot number nine on said plan and marked thereon "Helen L. Butterfield," and lot number five on said plan and marked thereon "Geo. F. Coleman," about two hundred and thirty-seven and 5-10 feet, being lots number three and four (Nos. 3 and 4), and marked "Alice J.



Hall" on a plan of lands taken by said city of Malden and town (now city) of Medford, and town of Melrose under their Water Acts, recorded with Middlesex So. Dist. Deeds, Book of Plans No. 69, Plan No. 4 ; and lot number two (No. 2) on said plan and marked thereon "N. W. Mayo," and lot number one (No. 1) on said plan and marked thereon "Z. H. Mayo."

Also one other parcel of land situate in said Stoneham in said part thereof called Wyoming and westerly of the above described lot of land and bounded and described as follows, viz : —

Northerly on the land marked on said plan "Langwood avenue," about one hundred and seventy feet ; westerly on land formerly of C. F. Churchill, being lot number twelve (No. 12) on said plan about one hundred nine and 59-100 feet ; southerly on lot number eight (No. 8) on said plan and marked thereon C. F. Churchill, and on lot number seven (No. 7) on said plan and marked thereon "Joel E. Foster," and on lot number six (No. 6) on said plan and marked thereon "Patrick J. Coleman," and lot number five on said plan and marked thereon "Geo. F. Coleman ;" easterly on lots numbered one and two on said plan and marked thereon Z. H. Mayo lot number one, N. W. Mayo lot number two. Being the lots number nine (No. 9) on said plan and marked thereon "Helen L. Butterfield," and number ten (No. 10) on said plan and marked thereon "L. W. Gilman," and lot number eleven (11) on said plan and marked thereon "L. W. Gilman." Reference is hereby made to said plan for a more particular description of all the released premises. And said cities and town of Melrose do also hereby release unto said Munyan, Snow and Howe, trustees as aforesaid, all the rights acquired by said taking in and to the said land marked "Langwood avenue" on said plan, so far as it bounds on the above described two parcels of land.



Also one other lot of land situate in said Stoneham in said part thereof called Wyoming on the northerly side of said Hurd avenue and bounded as follows, viz : Southerly on said Hurd avenue about sixty-six feet ; westerly on land of said town of Melrose about one hundred feet ; northerly on said lot number twelve (No. 12) on said plan in part and in part on said lot number eleven (No. 11) on said plan sixty-six feet more or less, and easterly on said lot number seven (No. 7) on said plan about one hundred and three and 6-10 feet. Being lot number eight on said plan and marked thereon "C. F. Churchill."

And George Newhall, treasurer of the town of Melrose, is hereby authorized in the name of said town of Melrose, to join with such person or persons as said city of Malden and said city of Medford shall severally authorize to act in effecting such release, and for the consideration of one dollar release and quitclaim the described premises unto said Munyan, Snow and Howe, trustees as aforesaid, their successors, heirs and assigns.

Such release to be in full satisfaction of any and all damages by reason of the taking of said premises as aforesaid.

Art. 4. *Voted*, unanimously, That the town of Melrose in conjunction with the city of Malden and the city of Medford release unto Joel E. Foster of Chelsea, in the Commonwealth of Massachusetts, all the right, title, interest and estate which said cities and town have in and to the lot of land hereinafter described by virtue of a taking thereof by the town of Melrose, the city of Malden, and the town (now city) of Medford under their water acts, to wit : A certain lot of land situate in that part of Stoneham called Wyoming, in said Commonwealth on the northerly side of Hurd avenue and bounded as follows, viz ; Southerly on said Hurd

avenue about sixty-six feet ; westerly on lot number eight (No.8) on the plan hereinafter referred to and marked thereon "C. F. Churchill" about one hundred and three and 6-10 feet; northerly on lot number eleven (No. 11) on said plan and lot number ten (No. 10) on said plan and both marked thereon "L. W. Gilman," sixty-six feet more or less ; easterly on lot number six (No. 6) on said plan and marked thereon "Patrick J. Coleman," about one hundred and seven and 3-10 feet. Being lot number seven (No. 7) and marked "Joel E. Foster" on a plan of lands taken by said town of Melrose, and said city of Malden and said town (now city) of Medford under their water acts recorded with Middlesex So. Dist. Deeds, Book of Plans No. 69, Plan No. 4.

And George Newhall, treasurer of the town of Melrose is hereby authorized in the name of said town of Melrose to join with such person or persons as said city of Malden and city of Medford shall severally authorize to act in effecting such release, and for the consideration of one dollar release and quitclaim the described premises unto said Joel E. Foster, his heirs and assigns.

Such release to be in full satisfaction of any and all damages by reason of the taking of said premises as aforesaid.

*Voted*, That the town of Melrose, in conjunction with the city of Malden and the city of Medford, release unto Patrick J. Coleman of Boston, in the Commonwealth of Massachusetts, all the right, title, interest and estate which said town and cities have in and to the lot of land hereinafter descibed, by virtue of a taking thereof by the town of Melrose, the city of Malden and the town of Medford (now city of Medford), under their water acts, to wit: A certain lot of land situate in that part of Stoneham called Wyom-

ing, in said commonwealth, on the northerly side of Hurd avenue, and bounded as follows: Southerly on said Hurd avenue about sixty-six feet; westerly on lot number seven (No. 7), on the plan hereinafter referred to, and marked thereon "Joel E. Foster," about one hundred seven and 3-10 feet; northerly in part on lot number ten (No. 10) on said plan and marked thereon "L. W. Gilman," and in part on lot number nine (No. 9), on said plan, and marked thereon "Helen L. Butterfield," in all about sixty-six feet; easterly on lot number five (No. 5) on said plan, and marked thereon "George F. Coleman," about one hundred ten and 9-10 feet. Being lot number six (No. 6), and marked thereon "Patrick J. Coleman," on a plan of lands taken by said town of Melrose, said city of Malden and said town of Medford (now city of Medford), under their water acts, recorded with Middlesex South District Deeds, book of Plans No. 69, Plan No. 4.

And George Newhall, treasurer of the town of Melrose, is hereby authorized in the name of the said town of Melrose to join with such person or persons as said city of Malden and said city of Medford shall severally authorize to act in effecting such release, and for the consideration of one dollar release and quitclaim the described premises unto Patrick J. Coleman, his heirs and assigns.

Such release to be in full satisfaction of any and all damages by reason of the taking of said premises as aforesaid.

*Voted*, That the town of Melrose in conjunction with the city of Malden and the city of Medford, release unto George F. Coleman of Boston, in the Commonwealth of Massachusetts all the right, title, interest and estate which said town and cities have in and to the lot of land hereinafter described, by virtue of a taking thereof by the town of Mel-

rose, the city of Malden and the town (now city) of Medford, under their water acts, to wit: A certain lot of land situate in that part of Stoneham called Wyoming, in said commonwealth, on the northerly side of Hurd avenue, and bounded as follows, viz.: Southerly on said Hurd avenue seventy-three and 8-10 feet; westerly on lot number six (No. 6) on the plan hereinafter referred to, and marked thereon "Patrick J. Coleman," about one hundred ten and 9-10 feet; northerly on lot number nine (No. 9) on said plan, and marked thereon "Helen L. Butterfield;" easterly on lot number four (No. 4) and number three (No. 3) on said plan, both said lots being marked thereon "Alice J. Hall," and in part on lot number two (No. 2) on said plan and marked thereon "N. W. Mayo," in all about one hundred and eighteen feet, being lot number five (No. 5) and marked "Geo. F. Coleman," on a plan of lands taken by said town of Melrose, and said city of Malden and said town of Medford (now city of Medford) under their water acts, recorded with Middlesex South District Deeds, Book of Plans, No. 69, Plan No. 4.

And George Newhall, treasurer of the town of Melrose, is hereby authorized in the name of said town of Melrose, to join with such person or persons as said city of Malden and city of Medford shall severally authorize to act in effecting such release, and for the consideration of one dollar, release and quitclaim the described premises unto said George F. Coleman, his heirs and assigns.

Such release to be in full satisfaction of any and all damages by reason of the taking of said premises as aforesaid.

Art. 5. *Voted* unanimously, That the town borrow the sum of twenty-five hundred dollars (\$2500) for the purpose of further improvements on Main street.

Art. 6. No business under this article.

*Voted*, To adjourn sine die.

WARRANT FOR MEETING,  
NOVEMBER 6, 1894.

*To either of the Constables of the Town of Melrose, in the  
County of Middlesex:* *GREETING.*

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of Precinct One, of the Town of Melrose, qualified to vote in elections to meet in the school house on Franklin street, west of the B. & M. R. R. on Tuesday, the 6th day of November, A. D. 1894, at six o'clock a. m., then and there to give in their votes on one ballot :

For governor, lieutenant governor, councillor for the sixth councillor district, secretary of the commonwealth, treasurer and receiver general, auditor, and attorney general and a representative from the seventh district of Massachusetts to the fifty-fourth congress. Also for a senator from the sixth Middlesex senatorial district and for a representative to the general court from the eleventh Middlesex representative district, one county commissioner, a county treasurer and a register of deeds for Middlesex county. Also to give in their votes on the same ballot, "Yes or No,—"<sup>for</sup> or against—the following article of amendment to the constitution relative to commissioners of insolvency: "so much of article nineteen of the articles of amendment to the constitution of the Commonwealth as is contained in the following words, 'commissioners of insolvency' is hereby annulled."

The polls shall be opened at six o'clock a. m., and shall be closed at thirty minutes past four o'clock p. m.,

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post offices and depots in the town, not less than seven days before the day appointed for said meeting, and by leaving

printed copies of the warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this warrant, with your doings thereon, to the town clerk, before the time of said meeting.

Given under our hands this twenty-fifth day of October, in the year one thousand eight hundred and ninety-four.

DANIEL NORTON,  
SIDNEY H. BUTTRICK,  
EUGENE H. MOORE,  
JOHN P. DEERING,  
CHARLES W. COOK,

Selectmen of Melrose.

A true copy Attest,

A. B. PIERCE, Constable.

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WARRANT FOR MEETING  
NOVEMBER 6, 1894.

*To either of the Constables of the Town of Melrose, in the  
County of Middlesex :* GREETING.

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of Precinct Two, of the Town of Melrose, qualified to vote in elections to meet at the Town Hall, on Tuesday the 6th day of November, A. D. 1894, at six o'clock, a. m., then and there to give in their votes on one ballot :

For governor, lieutenant-governor, councillor for the sixth councillor district, secretary of the commonwealth, treasurer and receiver general, auditor, and attorney general and a representative from the seventh district of Massachusetts to



the fifty-fourth congress. Also for a senator from the sixth Middlesex senatorial district and for a representative to the general court from the eleventh Middlesex representative district. One county commissioner, a county treasurer and a register of deeds for Middlesex county. Also to give in their votes on the same ballot, "Yes" or "No,"—for or against—the following article of amendment to the constitution relative to commissioners of insolvency: "so much of article nineteen of the articles of amendment to the constitution of the Commonwealth as is contained in the following words, 'commissioners of insolvency' is hereby annulled."

The polls shall be opened at six o'clock a. m., and shall be closed at thirty minutes past four o'clock, p. m.,

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post offices and depots in the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this warrant, with your doings thereon, to the town clerk, before the time of said meeting.

Given under our hands this twenty-fifth day of October, in the year one thousand eight hundred and ninety-four.

DANIEL NORTON,  
SIDNEY H. BUTTRICK,  
EUGENE H. MOORE,  
JOHN P. DEERING,  
CHARLES W. COOK,

Selectmen of Melrose.

A true copy Attest,

A. B. PIERCE, Constable.



## WARRANT FOR MEETING

NOV. 6, 1894.

*To either of the Constables of the Town of Melrose in the  
County of Middlesex.* . . . . . *GREETING.*

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of Precinct Three, of the town of Melrose, qualified to vote in elections, to meet in the shcool house, corner Grove and Myrtle streets on Tuesday, the sixth day of November, A. D. 1894, at six o'clock, a. m., then and there to give in their votes on one ballot :

For governor, lieutenant governor, councillor for the sixth councillor district, secretary of the commonwealth, treasurer and receiver general, auditor, and attorney general and a representative from the seventh district of Massachusetts to the fifty-fourth congress. Also for a senator from the sixth Middlesex senatorial district and for a representative to the general court from the eleventh Middlesex representative district. One county commissioner, a county treasurer and a register of deeds for Middlesex county.

Also to give in their votes on the same ballot, "Yes" or "No,"—for or against,—the following article of amendment to the constitution relative to commissioners of insolvency: "so much of article nineteen of the articles of amendment to the constitution of the commonwealth as is contained in the following words, 'commissioners of insolvency,' is hereby annulled."

The polls shall be opened at six o'clock a. m., and shall be closed at thirty minutes past four o'clock p. m.

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post offices and depots in the town, not less than seven days be-

fore the day appointed for said meeting, and by leaving printed copies of the warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this warrant with your doings thereon, to the town clerk, before the time of said meeting.

Given under our hands this twenty-fifth day of October, in the year one thousand eight hundred and ninety-four.

DANIEL NORTON,  
SIDNEY H. BUTTRICK,  
EUGENE H. MOORE,  
JOHN P. DEERING,  
CHARLES W. COOK,

Selectmen of Melrose.

A true copy. Attest,

A. B. PIERCE, Constable.

# RESULT OF THE BALLOTING AS FURNISHED TO THE TOWN CLERK FROM THE SEVERAL PRECINCTS.

## FOR GOVERNOR.

Precincts.....	1	2	3	Total.
George H. Cary, of Lynn, People's Party, ....	18	6	12	36
Frederick T. Greenhalge, of Lowell, Republican,....	269	514	367	1150
Alfred W. Richardson, of Springfield, Prohibition, ....	19	19	10	48
John E. Russell, of Leicester, Democratic,.....	86	161	233	480
David Taylor, of Boston, Socialist Labor, ....	1		1	2
Blanks,.....	3	10	10	23
Total,.....	396	710	633	1739

## FOR LIEUTENANT-GOVERNOR.

Wilbert O. Dwinell, of Danvers, People's Party,.....	13	8	13	34
Moritz E. Ruther, of Holyoke, Socialist Labor,.....	1	1		2
Samuel B. Shapleigh, of Boston, Prohibition,.....	35	44	42	121
Charles E. Stratton, of Boston, Democratic, .....	74	146	224	444
Roger Wolcott, of Boston, Republican,.....	264	495	340	1099
Blanks,.....	9	16	14	39
Total,.....	396	710	633	1739

## FOR SECRETARY.

Charles A. DeCourcy, of Lawrence, Democratic, .....	68	133	258	459
Wilbert D. Farnum, Jr., of Somerville, Prohibition,.....	11	19	13	43
Joseph F. Malloney, of Lynn, Socialist Labor,.....	3	5	1	9
William M. Olin, of Boston, Republican, .....	289	516	324	1129
Isaac W. Skinner, of Brockton, People's Party,.....	14	7	11	32
Blanks, .....	11	30	26	67
Total,.....	396	710	633	1739

## FOR TREASURER.

Emil Auerbach, of Adams, Socialist Labor, .....	1	2	2	5
John M. Fisher, of Attleboro, Prohibition, .....	8	20	12	40
James S. Grinnell, of Greenfield, Democratic,.....	76	144	216	436
Martin W. Moran, of Boston, People's Party, .....	14	4	15	33
Henry M. Phillips, of Springfield, Republican, .....	286	507	363	1156
Blanks,.....	11	33	25	69
Total, .....	396	710	633	1739

## FOR AUDITOR.

Precincts.....	1	2	3	Total.
John W. Kimball, of Fitchburg, Republican,.....	285	498	365	1148
Maurice W. Saunders, of Pittsfield, People's Party,.....	12	5	13	30
Wilbur M. Purrington, of Williamsburg, Prohibition, .....	9	19	8	36
Charles N. Wentworth, of Lynn, Socialist Labor,.....	2	1	1	4
Alfred C. Whitney, of Boston, Democratic, .....	74	145	217	436
Blanks,.....	14	42	29	85
Total,.....	396	710	633	1739

## FOR ATTORNEY GENERAL.

Frank M. Forbush, of Natick, Prohibition,.....	9	23	13	45
Henry F. Hurlburt, of Lynn, Democratic,.....	74	146	219	439
Hosea M. Knowlton, of New Bedford, Republican,.....	289	503	367	1159
Frederick August Nagler, of W. Springfield, Socialist Labor, 2	2	1	4	7
James Sumner, of Milton, People's Party,.....	12	4	10	26
Scattering,.....	1			1
Blanks,.....	9	33	20	62
Total,.....	396	710	633	1739

## FOR COUNCILLOR, (SIXTH DISTRICT).

Edwin F. Carr, of Lawrence, People's Party,.....	16	7	20	43
John M. Harlow, of Woburn, Republican,.....	286	498	366	1150
Frank J. Simonds, of Lowell, Democratic, .....	78	151	220	449
Blanks,.....	16	54	27	97
Total,.....	396	710	633	1739

## FOR SENATOR, (SIXTH MIDDLESEX DISTRICT).

Norman F. Hesseltine, of Melrose, Democratic,.....	104	195	256	555
Arthur H. Wellman, of Malden, Republican, .....	276	476	354	1106
Blanks, .....	16	39	23	78
Total, .....	396	710	633	1739

## FOR REPRESENTATIVE IN GENERAL COURT, (ELEVENTH MIDDLESEX DISTRICT).

George R. Jones, of Melrose, Republican, .....	292	527	372	1191
Arthur M. Willis, of Melrose, Democratic, . .....	86	151	237	474
George E. Damon (scattering), .....		1		1
Blanks, .....	18	31	24	73
Total, .....	396	710	633	1739

## FOR COUNTY COMMISSIONER, (MIDDLESEX).

Peter A. Fay, of Lowell, Democratic,.....	71	138	220	429
Samuel O. Upham, of Waltham, Republican,.....	298	511	372	1181
Blanks,.....	27	61	41	129
Total,.....	396	710	633	1739

## RECORDS OF TOWN MEETINGS.

## FOR COUNTY TREASURER, (MIDDLESEX).

	Precincts.....	1	2	3	Total.
Joseph O. Hayden, of Somerville, Republican, .....	295	507	380	1182	
Alfred D. Hoitt, of Arlington, Democratic,.....	73	146	212	431	
Blanks,.....	28	57	41	126	
		<hr/>	<hr/>	<hr/>	<hr/>
Total,.....	396	710	633	1739	

## FOR REGISTER OF DEEDS, (SOUTHERN MIDDLESEX DISTRICT).

John F. Slattery, of Malden, Democratic,.....	65	126	202	393
Charles B. Stevens, of Cambridge, Republican,.....	297	528	390	1215
Blanks,....	34	56	41	131
		<hr/>	<hr/>	<hr/>
Total,.....	396	710	633	1739

## FOR REPRESENTATIVE IN CONGRESS, (SEVENTH DISTRICT).

William E. Barrett, of Melrose, Republican,.....	271	502	365	1138
George M. Buttrick, of Everett, Prohibition, .....	16	28	19	63
Samuel K. Hamilton, of Wakefield, Democratic,.....	76	146	219	441
George R. Peare, of Lynn, Socialist Labor,.....	1		2	3
Walter S. Ramsdell, of Lynn, People's Party, .....	18	3	10	31
William Everett, of Quincy,.....		1		1
Blanks,.....	14	30	18	62
		<hr/>	<hr/>	<hr/>
Total, .....	396	710	633	1739

AMENDMENT TO THE CONSTITUTION RELATIVE TO COMMISSIONERS OF  
INSOLVENCY.

"Yes," .....	149	223	203	575
"No," .....	31	46	52	129
Blanks, .....	216	441	378	1035
		<hr/>	<hr/>	<hr/>
Total,.....	396	710	633	1739

## WARRANT FOR MEETING,

NOVEMBER 15, 1894.

*To either of the Constables of the Town of Melrose, in the  
County of Middlesex :* GREETING :

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of the town of Melrose, qualified to vote in elections and town affairs to meet at the Town Hall, on Thursday, the fifteenth day of November, A. D. 1894, at 7.30 o'clock, p. m., then and there to act on the following articles, viz :

Article 1. To choose a moderator.

Art. 2. To hear and act upon the report of the committee in reference to the draining of Cedar Park.

Art. 3. To appropriate the sum of twelve hundred dollars (\$1200) for the purpose of draining Cedar Park.

Art. 4. To see if the town will purchase, take or otherwise gain possession of the property lying between Main street and Crystal pond, opposite the end of Porter street, formerly owned by the heirs of J. D. Littlefield, and convert the same into a public park, and appropriate or otherwise raise the necessary amount of money to pay for the same. On petition of W. C. Stevens and 191 others.

Art. 5. To see if the town will accept the jury list as revised.

Art. 6. To see if the town will accept a street running from Main street to Green street, now called West Linden street, as laid out by the selectmen.

Art. 7. To hear and act upon the reports of committees, and for the transaction of any other business which may legally come before this meeting.

And you are directed to serve this warrant by posting attested copies thereof at the Town Hall, each of the post-

offices and depots in the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this warrant, with your doings thereon, to the town clerk, at the time and place of said meeting.

Given under our hands this thirteenth day of October, in the year one thousand eight hundred and ninety-four.

DANIEL NORTON,  
EUGENE H. MOORE,  
CHARLES W. COOK,  
JOHN P. DEERING,  
SIDNEY H. BUTTRICK,

Selectmen of Melrose.

A true copy. Attest.

A. B. PIERCE, Constable.

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*Meeting November 15, 1894, at 7.30 p. m.*

Article 1. Chose Levi S. Gould Moderator, by a unanimous vote.

Art. 2 and 3. Indefinitely postponed.

Art. 4. Laid upon the table.

Art. 5. Laid upon the table.

Art. 6. No action.

Art. 7. *Voted*, unanimously, Whereas, under the authority conferred by the General Court in chapter 288, acts of 1894,



a boulevard may be laid out by the board of Metropolitan Park Commissioners from the Middlesex Fells reservation to the city of Boston, be it voted by the town of Melrose that it is the desire of this town that said boulevard may be constructed in order to bring the Middlesex Fells reservation into direct communication with Boston, and to give the various municipalities on this side of the Mystic river, with a total population of 100,000, an adequate and decent means of communication with Boston, the present lack of which is gravely detrimental to their proper growth and development.

*Voted*, unanimously, That the treasurer be and hereby is authorized to pay all necessary expenses which may be incurred from January 1, 1895, in anticipation of the annual appropriations, said amounts to be charged to the several appropriations.

*Voted*, unanimously, That Royal P. Barry, Levi S. Gould, Edward L. Whittier, Francis W. Hunt, Stephen F. Keyes, John Larrabee, John A. Fish, Moses S. Page and Daniel Norton be a finance committee for the ensuing year.

*Voted*, unanimously, That the park commissioners, together with four others to be appointed by the chair, take into consideration matters in relation to the internal improvement of the town so far as parks are concerned, and report at some future meeting.

The four appointed by the chair are Col. F. S. Hesseltine, Hon. W. E. Barrett, Joshua T. Nowell and John W. Robson.

Adjourned to Friday evening, 23d November, 1894, 7.30 o'clock.

*Adjourned Meeting, Friday, Nov. 23, 1894, 7.30 o'clock.*

Article 6. *Voted*, To accept West Linden street as laid out by the selectmen.

Art. 7. *Voted*, To accept the jury list as revised by the selectmen.

*Voted*, To adjourn sine die.

### REGISTRATION OF VOTERS.

Total number as per last report, Nov. 1, 1893,	.	2,129
Added election day, Nov. 7, 1893,	.	2
Registered previous to annual town meeting,		
February 15, 1894,	3	
February 28, 1894,	30	33
		<hr/>
		2,164
Erased on account of deaths and removals,	.	7
Total, February 28, 1894,	.	2,157
Erased in September, 1894, on account of deaths and removals,	.	258
		<hr/>
		1,899
Names registered and restored Oct. 4, 1894,	82	
"                    "            " 11, "	25	
"                    "            " 18, "	65	
"                    "            " 27, "	133	305
		<hr/>
		2,204
Names added election day, Nov. 6, 1894,	.	5
Total,	.	2,209
Divided according to precincts as follows :		
Precinct 1, (Highlands),	489	
Precinct 2, (Centre),	891	
Precinct 3, (Wyoming,	829	
		<hr/>
Total,	2,209	
Number of women voters.	.	59
Number of assessed polls,	.	3,126

## AUDITOR'S REPORT.

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*To the Inhabitants of Melrose:*

In compliance with the provisions of chapter 221 of the acts of the year 1889, I have the honor to report as follows:

I have examined the books of the treasurer, collector and water registrar, and find them correctly kept and proper vouchers for all the transactions they contain.

In compliance with the vote of the town I have compiled the annual Town Report and submit the same.

Respectfully,

EDWIN C. GOULD,

*Auditor.*

# EXPENSES OF THE TOWN OF MELROSE

FOR THE

YEAR ENDING DECEMBER 31, 1894.

As compiled by the Auditor from the Original Vouchers.

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## CONTINGENT.

Balance, 1893, . . . . .	\$3 53	
Appropriations,. . . . .	3,000 00	\$3003 53

## RECEIPTS.

Austin, J. S., carriage license, . . . . .	\$2 00	
Anderson, J. H. L., carriage license, . . . . .	3 00	
Buttrick, S. H., auctioneer's license, . . . . .	2 00	
Butler, A. B. & W. H., undertaker's license, . . . . .	2 00	
Cheever, A. L., carriage license, . . . . .	1 00	
Cash, . . . . .	25	
Ellis, W. B., carriage license, . . . . .	5 00	
Edwards, Joseph, rent north end Town Hall lot, . . . . .	10 00	
Gallant, M. C., carriage. . . . .	1 00	
Isburgh, C. H., auctioneer's license, . . . . .	2 00	
Libby, F. M., " " . . . . .	2 00	
Lovejoy, S. A.. " " . . . . .	2 00	
<i>Amounts carried forward,</i> . . . . .	\$34 25	\$3,003 53

## EXPENSES OF THE TOWN.

69

<i>Amounts brought forward,</i>	.	.	\$34 25	\$3,003 53
McCullough, J. J., carriage license,	.	.	2 00	
Pratt, F. A., " "	.	.	3 00	
Reiter, A. G., auctioneer's license,	.	.	2 00	
Rent of Barry house, . . . .	.	.	55 00	
Skelding, J. J., auctioneer's license,	.	.	2 00	
Swett, C. C., " "	.	.	2 00	
Wheaton, H. D., carriage license,	.	.	3 00	
			<hr/>	\$101 25
				<hr/>
				\$3,104 78

## EXPENDED.

American Express, expressage, . . .	.	.	\$3 55	
Barry, Beale & Co., stationery, . . .	.	.	13 00	
Bartlett, G. W., horse hire, . . . .	.	.	3 00	
Benson & Co., S. E., wood, . . . .	.	.	60	
Boston Gas Appliance Exchange, lamp,	.	.	7 00	
Brock Bros., stock and labor, . . .	.	.	5 65	
Burlen, Robert, rebinding old record				
books, . . . . .	.	.	19 00	
Buttrick, S. H., sundries, . . . .	.	.	13 27	
Carrie & Co., W. A., treasurer's check				
book, . . . . .	.	.	15 00	
Cross, H. M. & L. W., stationery, . .	.	.	4 90	
Dill, Jesse A., lunches, March and Nov.				
elections for tellers, clerks, select-				
men and police, . . . . .	.	.	148 75	
Dimond & Co., H. C., numbering ma-				
chine, . . . . .	.	.	7 20	
Dunton & Potter, 2300 town reports, .	.	.	619 20	
" " printing voting lists, . . .	.	.	126 32	
" " " for collector				
of taxes, . . . . .	.	.	56 50	
			<hr/>	
<i>Amounts carried forward,</i> . . . .	.	.	\$1,042 94	\$3,104 78

<i>Amounts brought forward,</i>	\$1,042 94	\$3,104 78
Dunton & Potter, sundry printing,	60 50	
“ “ advertising hearings,	28 25	
Eastman's Express, expressage,	8 25	
Edwards, Jos., stock and labor,	1 00	
Election officers' pay roll, March election,	80 00	
Election officers' pay roll Nov. election,		
Precinct 1,	50 00	
Precinct 2,	90 00	
Precinct 3,	80 00	
Ellison, C. W., P. M., stamps,	21 80	
Fairbanks & Co., J. L., stationery,	9 38	
Fuller, Geo. E. labor, extra staging, March election,	4 00	
Fuller, Geo. E., ringing bell, Feb. 22, April 19, June 18 and July 4,	8 00	
Gately, John H., returning deaths	11 50	
Goodno, W. A., stock and labor,	76 98	
Hasseltine, F. S., legal services in sundry suits against town,	288 00	
Joyce, Mary, washing floor assessors' room,	3 00	
King, G. F., & Merrill, account books and letter press,	35 85	
Lambert, J. A., ringing bell,	8 00	
Lane, Addison, postage and envelopes,	37 00	
Larkin, Ed., care of assessors' room,	4 50	
Larrabee, John, collecting, recording, and indexing births, marriages and deaths,	160 34	
Larrabee & Stearns, pencils,	30	
Lear, Samuel, cash paid extinguishing forest fires,	6 60	
<i>Amounts carried forward,</i>	\$2,116 19 <sup>5</sup> / <sub>10</sub>	\$3,104 78

<i>Amounts brought forward,</i>	. . . \$2,116 19	\$3,104 78
Little, Brown & Co., book,	. . . \$4 00	
Malden & Melrose Gas Light Co., gas for		
assessors' room,	. . . 7 84	
Manning & Son, J. moving safe from		
Boston to assessors' room,	. . . 10 00	
Marshall James, cash paid for extin-		
guishing forest fires,	. . . 5 75	
Massachusetts Commonwealth of, stan-		
dard ink,	. . . 6 50	
McCullough, J. J., table and repairs,	. . . 26 50	
McFarlin, W. J., lamp and bracket,	. . . 55	
Meek, H. M., blanks for assessors and		
registrars of voters,	. . . 12 10	
Melrose Journal, advertising warrants,		
meetings and hearings,	. . . 72 63	
Melrose Journal, ballots and warrants,	. . . 93 75	
Melrose Journal, sundry printing,	. . . 28 75	
Mitchell Henry, making drawings for		
town seal,	. . . 5 00	
Newhall, George, treasurer, postage, etc.,	. . . 3 00	
New England Telephone & Telegraph		
Co., rental of telephone,	. . . 113 65	
Orpin Bros., desk and chair,	. . . 70 00	
Perry, H. J., hardware assessors' room,	. . . 3 47	
Pierce & Son, A. B., returning deaths,	. . . 25 75	
Pierce, A. B., posting and distributing		
town warrants and reports,	. . . 155 00	
Amadon, A. F., M. D., returning births,	. . . 2 75	
Clark, J. S., M. D., returning births,	. . . 5 50	
Harlow, C. W., M. D., returning births,	. . . 2 00	
Jack, E. S., M. D., returning births,	. . . 9 00	
<i>Amounts carried forward,</i>	. . . \$3,104 78	\$3,104 78



<i>Amounts brought forward,</i>	\$2,779 68	\$3,104 78
Jones, L. C., M. D., returning births,	3 00	
Morse, F. H., M. D., returning births,	10 00	
Odlin, C. C., M. D., returning births,	15 00	
Selee, A. M., M. D., returning births,	4 75	
Pratt, Dexter, horse and wagon for assessors-1893-1894,	90 00	
Rand, R. M., posting bills,	12 00	
Rich, Reed & Atwood, box for jury list,	1 25	
Ripley, T. W., 1000 pamphlets for assessors,	385 87	
Ripley, T. W., books for assessors,	13 50	
Ripley, T. W., book for collector,	8 50	
Stantial, G. C., stationery, etc., for assessors,	8 00	
Stone & Forsyth, paper, election,	2 22	
Weeks, I. C., ringing bell,	8 00	
Woodward, D. R., labor and teaming booths for use election day, in pre- cincts 1 and 2,	12 50	3,354 27
Amount overdrawn,	\$249 49	

## CONTINGENT SPECIAL.

## DAMAGES, LAWSUITS, ETC.

Armington, Mrs. Sarah S., damages fall- ing on ice, Baxter st.,	\$40 00
Hitching, John, damages daughter fall- ing over water shut-off,	100 00
Morse, Emily M., judgment for dam- ages falling on sidewalk on Tre- mont st.,	899 81
Nowell, Albert, damages defective side- walk,	50 00
Newhall, Geo., cash paid witness fees,	22 56
	<hr/>
	\$1,112 37

## FIRE ALARM.

Balance, 1892, . . . . .	\$ 95	
Appropriation, . . . . .	200 00	
Transferred from fire department, . . . . .	1 69	
	<hr/>	\$202 64

## EXPENDED.

Kendall & Co., M. K., electrical supplies, . . . . .	22 64	
Municipal Fire & Police Tel. Co., one plain visual indicator, . . . . .	180 00	
	<hr/>	\$202 64

## FIRE DEPARTMENT.

Balance, . . . . .	\$33 84	
Appropriation, . . . . .	8,335 00	
Cash received for manure, . . . . .	11 00	
Cash received from J. W. Farwell for old hook and ladder truck, . . . . .	75 00	
	<hr/>	\$8,454 84
Less amount transferred to fire alarm, . . . . .	1 69	
	<hr/>	\$8,453 15

## EXPENDED.

Lynde, A. W., chief engineer, . . . . .	37 50	
Lear, Samuel, engineer and clerk, . . . . .	45 00	
Parker, A. W., engineer, . . . . .	37 50	
	<hr/>	\$120 00

*Amount carried forward,* . . . . . \$8,453 15

*Amount brought forward,* . . . \$8,453 15

*Melrose Steamer.*

Services of Men.

Armstrong, Wm., driver steamer . . .	\$383 40
Bartlett, Stephen, " " . . .	383 40
Stockwell, Dean, driver hose wagon, . .	717 08
Holbrook, J. M., captain, . . .	35 00
Emerson, J. W., lieutenant, . . .	35 00
Smith, A. B., . . .	35 00
Hawkes, T. J., . . .	35 00
Stantial, T. B., . . .	35 00
Upham, A. L., . . .	35 00
Burnham, G. E., . . .	35 00
Woodward, C. F., . . .	35 00
Edwards, C. W., asst. engineer, . . .	95 00
Sargent, W. C., clerk, . . .	35 00
Woodward, D. H., . . .	35 00
Shute, C. N., . . .	35 00
Edwards, J. H., engineer, . . .	200 00
	<hr/>
	\$2,163 88

Abbott, Downing & Co., hose wagon, . .	435 00
Benson & Co., S. E., coal, . . .	37 50
Boston Coupling Co., supplies, . . .	10 40
Boston Belting Co., suction hose, . .	49 50
Deering & Co., J. P., lumber, . . .	25 50
Edwards, Jos., stock and labor, pung . .	44 95
Goss, C. B. & F. H., coal, . . .	23 50
Goss, C. B. & F. H., hay and oats, . .	445 13
Holbrook & Norton, sundries, . . .	20 80
Larrabee & Stearns, sundries, . . .	1 05
	<hr/>

*Amounts carried forward,* . . . \$3,257 21 \$8,453 15

<i>Amounts brought forward,</i>	.	\$3,257 21	\$8,453 15
Lynn & Boston R. R., harness,	.	12 00	
Maclachlan, A. L., sundries and repair-			
ing harness,	.	17 50	
Malden & Melrose Gas Co., 18,100 ft.			
gas,	.	79 48	
McCoubry, T., horse shoeing, etc.,	.	50 13	
Parker, A. W., washing and ironing,	.	51 75	
Perry, H. J., hardware,	.	70	
Scrannage Bros., repairing air chamber,		30 00	
Simpson, W. M., D. V. S., services,	.	5 00	
Stevens, O. C., harness,	.	70 75	
Tyzzar, F. H., lettering and painting,	.	30 00	
		<hr/>	
		\$3,604 52	

*Hook and Ladder No. 1,*

## Services of Men.

Edwards, J.,	.	\$35 00
Parker, D. O.,	.	35 00
Wiswell, D. W.,	.	35 00
Tyzzar, J.,	.	35 00
Gordon, C. S.,	.	35 00
Stewart, W. H.,	.	35 00
Johnson, T. B.,	.	35 00
Lynde, W. A.,	.	35 00
Tyzzar, F. H.,	.	35 00
Johnson, W. E.,	.	35 00
Richardson, J. E.,	.	8 75
Robertson, H.,	.	35 00
Whidden, R. H.,	.	35 00
Gibson, D. E.,	.	35 00
		<hr/>

*Amounts carried forward,* . . \$463 75 \$8,455 15

<i>Amounts brought forward,</i>	.	.	\$463 75	\$8,453 15
Kelley, T.,	.	.	29 16	
McDonald, A.,	.	.	26 25	
Lynde, W. A., steward,	.	.	55 00	
			<hr/>	
			\$574 16	
Breck & Sons, Joseph, one No. 3 jack,			4 05	
Bugbee & Barrett, sundries,	.	.	1 00	
Deering & Co., J. P., lumber,	.	.	10 07	
Eastman's Ex., hauling truck,	.	.	305 90	
Page, Jr., C. H., cleaning and oiling harness,	.	.	2 00	
			<hr/>	
			\$897 18	

*N. D. Blake Hose No. 2.*

## Services of Men.

Gibbons, J. R.,	.	.	.	.	\$35 00
Gibbons, R., Jr.,	.	.	.	.	35 00
Stantial, E. B.,	.	.	.	.	35 00
Simpson, H. W.,	.	.	.	.	35 00
Armington, A. H.,	.	.	.	.	20 42
Phipps, W. F.,	.	.	.	.	35 00
Buchanan, P.,	.	.	.	.	35 00
Cotting, W. M.,	.	.	.	.	35 00
Thompson, C. B.,	.	.	.	.	35 00
Hamlin, J. M.,	.	.	.	.	35 00
Doherty, C. F.,	.	.	.	.	14 58
Simpson, H. W., steward,	.	.	.	.	20 00
Gibbons, R., Jr.,	"	.	.	.	20 00

*Amounts carried forward,* . . \$390 00 \$8,453 15

<i>Amounts brought forward,</i>	.	.	\$390 00	\$8,453 15
Brock Bros., oil, globes and repairing,			2 30	
Goss, C. B. & F. H., coal,	.	.	15 00	
Keating, W. E., hauling carriage,	.		70 00	
Malden & Melrose Gas Co., 16,200 ft.				
gas,	.	.	26 76	
Wyoming Lodge, trustees, rent,	.	.	250 00	
			<hr/>	
			\$754 06	

*Highland Hose No. 3.*

## Services of Men.

Storey, F.,	.	.	.	.	.	\$26 25
Porter, T.,	.	.	.	.	.	35 00
Day, A. E.,	.	.	.	.	.	35 00
Newhall, L. D.,	.	.	.	.	.	35 00
Storey, A.,	.	.	.	.	.	35 00
Adams, H. E.,	.	.	.	.	.	35 00
Fuller, C. H.,	.	.	.	.	.	17 50
Morton, F.,	.	.	.	.	.	35 00
Black, J. C.,	.	.	.	.	.	35 00
Hebblethwaite, J. W.,	.	.	.	.	.	35 00
Walton, A. J.,	.	.	.	.	.	17 50
Storey, F., steward,	.	.	.	.	.	30 00
Black, J. C.,]	"	.	.	.	.	6 67
Newhall, L. D.,	"	.	.	.	.	3 33

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\$381 25

Black, John, stock and labor, painting,			5 00	
Brock Bros., stock and labor,	.	.	6 75	
Cheever, A. L., hauling carriage,	.	.	6 00	
Benson & Co., S. E., coal,	.	.	26 75	
Lear, Sam'l, stock and labor,	.	.	21 90	

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*Amounts carried forward,* . . \$447 65 \$8,453 15

<i>Amounts brought forward,</i>	.	.	\$447 65	\$8,453 15
McCullough, J. J., chairs,	.	.	3 00	
Palmer, Geo. R., hauling carriage,	.	.	28 00	
Parker, A. W., stock and labor,	.	.	22 50	
Singer, Jr., John, sundries,	.	.	23 81	
Stewart, Wm. H., stock and labor,	.	.	2 50	
Twombly, A. J., hauling carriage,	.	.	24 00	
			<hr/>	
			\$551 46	

*Wm. E. Barrett Hose No. 4.*

## Services of Men.

Burnett, A. J.,	.	.	.	.	.	\$26 25
McKinnon, E.,	.	.	.	.	.	26 25
Caldwell, E. M.,	.	.	.	.	.	8 75
Critchett, C. J.,	.	.	.	.	.	26 25
Carney, W. H.,	.	.	.	.	.	26 25
Carlin, D.,	.	.	.	.	.	26 25
Johnson, F. B.,	.	.	.	.	.	26 25
Russell, E.,	.	.	.	.	.	23 33
Russell, Geo.,	.	.	.	.	.	23 33
Churchill, F.,	.	.	.	.	.	23 33
Critchett, C. J., steward,	.	.	.	.	.	40 00

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 \$276 24

Benson & Co., S. E., coal,	.	.	.	\$11 50
Burnett & Co., A. J., stock and labor,	.	.	60	
Carlin, Dennis, hauling carriage,	.	.	34 00	
Deering & Co., J. P., lumber,	.	.	63 88	
Emery & Co., W., doors,	.	.	6 00	
Lear, Sam'l, labor,	.	.	65 00	
McCullough, J. J., window shades,	.	.	4 55	

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*Amounts carried forward,* . . \$461 77 \$8,453 15



<i>Amounts brought forward,</i>	.	.	\$461 77	\$8,453 15
McMullin, J. W., plastering,	.	.	50 50	
Perry, H. J., hardware,	.	.	8 68	
Stone, W. P., sundries,	.	.	3 83	
			<hr/>	
			\$524 78	

## FIRE ALARM MAINTENANCE.

Anderson, J. H. L., horse hire,	.	.	\$8 00	
Bartlett, G. W., horse hire,	.	.	1 00	
Bly, C. L., sundries,	.	.	4 05	
Burnham, G. E., salary,	.	.	91 66	
Burnham, G. E., labor and expense,	.		132 66	
Chase, O. R., horse hire,	.	.	3 00	
Deering & Co., J. P., lumber,	.	.	1 96	
King & Co., E. & F., vitrol,	.	.	40 59	
Municipal Fire & Police Tel. Co., sun-				
dries,	.	.	5 50	
Perry, H. J., hardware,	.	.	15 94	
Pettengill, Andrews & Co., jars, wire, etc.,			62 71	
Prescott & Son, J. B., zincs,	.	.	75 60	
Stevens, Geo. M., keys,	.	.	4 50	
Tuttle Electric Co., insulators,	.	.	50	
			<hr/>	
			\$447 67	

## MISCELLANEOUS BILLS.

Anderson, J. H. L., horse hire,	.	.	\$6 00	
Boston Coupling Co., two fire extin-				
guishers and charges,	.	.	92 30	
			<hr/>	
<i>Amounts carried forward,</i>	.	.	\$98 30	\$8,453 15

<i>Amounts brought forward,</i>	\$98 30	\$8,453 15
Boston Coupling Co., sundries and re- pairing, . . . . .	12 32	
Brock Bros., stock and labor, . . . . .	19 44	
Dew, G. W., teaming, . . . . .	2 00	
Dunton & Potter, printing, . . . . .	24 00	
Eastman's Express, expressage, . . . . .	16 40	
Edwards, J., stock and labor, . . . . .	45 00	
Electric Gas Lighting Co., burners, . . . . .	6 00	
Frost & Hawes, box mustard, . . . . .	10	
Holbrook & Norton, sundries, . . . . .	9 32	
Maclachlan, A. L., sundries, . . . . .	3 65	
McCullough, J. J., bureau, . . . . .	3 00	
Municipal Fire & Police Tel. Co., indi- cator, gongs, keys, . . . . .	154 75	
Norton, D., canvas, . . . . .	1 80	
Parker, A. W., stock and labor, . . . . .	9 70	
Perry, H. J., hardware, . . . . .	7 15	
Revere Rubber Co., hose, . . . . .	1,000 00	
Stevens, Geo. M., gong, . . . . .	25 00	
Weld, F. D., extension ladder, . . . . .	112 50	
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	\$1,550 43	

## RECAPITULATION.

Engineers, . . . . .	\$120 00	
Melrose steamer, . . . . .	3,604 52	
Hook and ladder, No. 1, . . . . .	897 18	
N. D. Blake hose, No. 2, . . . . .	754 06	
Highland hose, No. 3, . . . . .	551 46	
Wm. E. Barrett hose, No. 4, . . . . .	524 78	
Fire alarm maintenance, . . . . .	447 67	
Miscellaneous bills, . . . . .	1,550 43	
	<hr/>	
		8,450 10
Balance, . . . . .		<hr/>
		\$3 05

## HEALTH DEPARTMENT.

Balance, . . . . .	\$25 33	
Appropriations, . . . . .	1,500 00	
	<hr/>	\$1,525 33

## EXPENDED.

Brock Bros., furnace, . . . . .	\$3 50	
Cross, H. M. & L. W., brimstone, . . . . .	2 65	
Drown, Osborne E., fumigating, . . . . .	8 76	
Dunton & Potter, printing and advertising proposals, . . . . .	18 63	
Elms, J. O., collecting swill, . . . . .	624 96	
Grundy, E. L., inspector of plumbing, . . . . .	57 19	
Higgins, T. R., collecting swill, . . . . .	550 00	
Hollis, Thos., brimstone, . . . . .	2 00	
Larrabee & Stearns, brimstone, . . . . .	25	
Massachusetts Association of Boards of Health, dues, . . . . .	9 00	
Middlesex county clerk of courts, recording and certifying by-laws of plumbing, . . . . .	6 00	
McLaughlin, F. M., services agent, 1893-'94, . . . . .	50 00	
McLaughlin, Ralph, posting notices, . . . . .	1 25	
Melrose Journal, printing and advertising proposals, . . . . .	5 50	
Philpot, R., cleaning cesspool and gravel, . . . . .	7 50	
Sanborn, J. E., expenses, postage, car fare, etc., . . . . .	4 68	
Sanborn, J. E., services as chairman board of examiners of plumbing, . . . . .	50 00	
Warren, E. L., fumigating, car fare, etc., . . . . .	72 75	
York, Josiah, burying dog, . . . . .	2 00	
	<hr/>	1,476 62
		<hr/>
		\$49 71

## HIGHWAY DEPARTMENT.

Balance,	.	.	.	.	.	\$269	98
Appropriation,	.	.	.	.	.	12,000	00
<hr/>							\$12,269 98

## RECEIPTS.

Ellis, F. E., use of roller and steam drill,	\$45	00	
Lynn & Boston Street R. R., removing snow,	124	75	
Lynn & Boston Street R. R., watering streets,	150	00	
Water Dept., use of steam roller,	17	50	
Sale of Barry house,	175	00	512 25
			<hr/>
			\$12,782 23

## EXPENDED.

Allen, G. F., snow plowing.	\$116	85	
American Express, expressage,	3	25	
Ames Plow Co., plows and shovels,	75	60	
Bartlett & Everett, 212 loads gravel,	21	20	
Benson & Co., S. E., coal and wood,	309	42	
Bicknell, A. P., 34 loads gravel,	3	40	
Blood, Mark, bolts and melting pot,	2	85	
Boardman, Geo. F., 604 loads gravel,	60	40	
Boston & Maine R. R., freight,	217	70	
Brock Bros., hose, pipe, etc.,	15	74	
Bugbee & Barrett, sundries,	30	41	
Chesterton & Co., A. W., engineers' sup- plies, packing, waste, etc.,	32	47	
Crafts, Mrs. Sarah G., 227 loads gravel,	22	70	
			<hr/>
<i>Amounts carried forward,</i>	\$911	99	\$12,782 23

<i>Amounts brought forward,</i>		\$911 99	\$12,782 23
Davis, C. S., snow plowing, . . . .	44 43		
Deering & Co., J. P., lumber and posts,	190 85		
Eastman's Express, expressage, . . .	11 30		
Edwards, Joseph, stock and labor, . .	117 49		
Ellis, F. E., use of boiler, . . . .	11 00		
Ellis, F. E., one stone step, . . . .	6 00		
Ellis, Walter B., salary as supt., 11 mos.	916 67		
Frost & Hawes, oil, . . . . .	70		
Gallison, Wm. H., waste, . . . . .	1 10		
Gibbons, Frank, 45 loads gravel, . . .	4 50		
Gibbons, Joseph, Jr., 170 loads gravel,	8 50		
Gibbons, J. R., snow plowing, . . . .	45 50		
Gould, Levi S., brush hook, . . . .	1 50		
Harvey, H. H., hammers, . . . . .	1 61		
Hill, Aaron, 2009 loads gravel, . . . .	200 90		
Hendon, Israel, 249 loads gravel, . . .	12 45		
Hoffman, C. L., snow plowing, . . . .	55 07		
Hoffman, C. L., 125 loads sand, . . . .	18 75		
Hoffman, C. L., concreting, . . . . .	166 45		
Kidder, Samuel, oil, . . . . .	3 75		
Kilburn, Lincoln & Co., gear castings, .	28 49		
McCoubry, Thos., stock and labor, . .	150 91		
Newhall, T. R., covers, edgestones, circles,	50 90		
Parker, Albon W., stock and labor, . .	9 63		
Perrin, Seamans & Co., shovels, barrows, tools and drain pipe, . . . .	342 97		
Perry, H. J., hardware, . . . . .	4 08		
Philpot, Robert, 150 loads gravel, . . .	15 00		
Philpot, Robert, concreting, . . . . .	122 17		
Philpot, Robert, two bbls. tar, . . . .	7 00		
<i>Amounts carried forward,</i>		\$3,461 66	\$12,782 23

<i>Amounts brought forward,</i>		\$3,461 66	\$12,782 23
Philpot, Robert, watering streets,		150 00	
Ricker, J. E., time books,		1 50	
Sampson, Geo. H., forcite, etc.,		77 10	
Swett & Scribner, hardware, shovels, etc.		23 47	
Swett & Scribner, catch basin covers,		60 00	
Swett & Scribner, drain pipe,		2 40	
Scribner, S. M., hardware, etc.,		10 10	
Scribner, S. M., catch basin covers,		60 00	
“ “ drain pipe,		36 93	
Stiles, C. A., 414 loads gravel,		20 70	
Stevens, Walter C., surveying,		14 00	
“ “ 31 loads gravel,		3 10	
Water Dept., repairing pipe,		2 90	
Waldo Bros., drain pipe,		75 68	
Wellington, A. J., spider head and concaves for crusher, and oil,		139 22	
Woodward, D. R., stock and labor,		57 56	
Labor, men and teams, as per pay rolls,		8,575 27	
		<hr/>	\$12,771 59
Balance,			\$10 64

## INSURANCE.

Appropriation,	\$700 00
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## EXPENDED.

Burrell & Swett,	\$122 50
Buttrick, Sidney H.,	187 50
Carlton, W. H., stone crusher plant,	45 00
Hanaford & Co., J. L.,	270 55
Leighton, Royal B.,	291 25
M'Coy, Geo. M.,	232 50
Small, Edwin S.,	142 50
Westgate & Johnson,	150 00
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Expenditures exceed appropriation,	\$1,441 80
	\$741 80.

## INTEREST.

Appropriation, . . . . .	\$6,000 00
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## RECEIPTS.

*From Collector of Taxes, Interest Collected.*

Taxes of 1890, . . . . .	\$ 72	
“ 1891, . . . . .	2 04	
“ 1892, . . . . .	173 24	
“ 1893, . . . . .	2,111 81	
“ 1894, . . . . .	139 29	
Interest on deposits, year ending Dec.		
31, 1894, . . . . .	432 60	\$2,859 70
		<hr/>
		\$8,859 70

## EXPENDED.

Interest, coupons Town Hall bonds,		
\$45,000 @ 4 per cent., . . . . .	\$1,800 00	
Mrs. L. C. Haskell, note, . . . . .	200 00	
Worcester Savings Bank, . . . . .	400 00	
Provident Institution for Savings, note, . . . . .	840 00	
Melrose Savings Bank, notes, . . . . .	2,627 37	
Commonwealth of Massachusetts, note, . . . . .	1,120 00	
J. S. Austin, note, . . . . .	100 00	
Elizabeth T. Baker, note, . . . . .	90 00	
C. C. Odlin, note, . . . . .	21 00	
Admr. estate Sam'l A Toothaker, note, . . . . .	40 17	
J. E. Sanborn, note, . . . . .	15 00	
Sarah F. Barron, note, . . . . .	6 00	
Alice S. Robert, note, . . . . .	12 20	
W. F. Conant, note, . . . . .	160 00	
L. S. Gould, note, . . . . .	420 00	
C. H. Barnard & Co., notes, . . . . .	243 75	
Water Loan Sinking Fund Com., notes, . . . . .	288 86	
Cemetery trust funds, . . . . .	117 78	\$8,502 13
		<hr/>
Balance, . . . . .		\$357 57



## MAIN STREET.

Amount expended in 1893, . . . \$1,419 29

## EXPENDED.

Benson & Co., S. E., cement and sand,	\$15 00	
Breen, Fred A., mason work, . . .	15 75	
Brock Bros., drain pipe, . . .	50	
Burnett & Co., A. J., stock and labor, .	8 25	
Deering & Co., J. P., lumber, . . .	54 74	
Dempsey, Wm., stone, . . .	20 00	
Ellis, W. B., one month's salary, . . .	83 33	
Hoffman, C. L., 2,234.88 yds. concrete,	1,196 60	
"    "    653.4 yds. top dressing,	163 36	
"    "    56. " repairing,	28 00	
"    "    9 loads sand, . . .	1 80	
Lynde, A. W., laying stone, . . .	75 00	
Town of Melrose, sidewalk dept., . .	8 71	
Newhall, T. R., stone covers, . . .	257 50	
Parker, A. W., stock and labor, . . .	5 45	
Philpot, Robert, 569.6 yards concrete, .	434 80	
Scott, John, labor laying brick, . . .	79 65	
Sewer Commissioners, services of en-		
gineer, . . . . .	125 00	
Smith Bros., sharpening tools, . . .	3 50	
Stevens, W. C., surveying, . . .	28 00	
Stocker, F., 2,200 bricks, . . .	26 40	
Woodward, D. R., stock and labor, . .	165 01	
Labor, men and teams, as per pay rolls,	3,274 42	\$6,070 77
		<hr/>
		\$7,490 06
Appropriation, . . . . .		1,500 00
		<hr/>
		\$5,990 06
Treasurer authorized to borrow . . .	\$6,000 00	

## MAIN STREET WIDENING.

Amounts paid in 1892, . . . .	\$2,569 00
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Amounts paid in 1893, . . . .	3,896 00
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## Amounts paid in 1894.

Atwood, Mrs. A. E., . . . .	\$4 00
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Atwood, S. Clark, . . . .	4 00
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Boardman, Geo. F., . . . .	600 00
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Bugbee, S. S., . . . .	202 12
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Bugbee, S. S., et. al., . . . .	594 64
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Curtis, Eliza H., . . . .	300 35
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Edwards, Joseph, . . . .	1,242 67
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Ehlert, Herman F., . . . .	73 00
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Farnsworth, Geo. W., . . . .	57 47
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Faxon, Mary, . . . .	50 00
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Fiske, Wilbur D., . . . .	190 00
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Geist, Justus . . . .	133 56
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Green, Fannie, estate of . . . .	107 00
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Harmon, Geo. K., . . . .	123 87
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Hill, Aaron, . . . .	745 99
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Jack, Ernest S., . . . .	600 00
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Maker, John C., . . . .	505 00
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Maxwell, Emeline S., . . . .	279 59
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Methodist Society, . . . .	19 00
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McCoubry, Thos., . . . .	631 12
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McIntyre, James M., . . . .	400 00
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Spear, Carrie L., . . . .	408 50
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Wait & Cutter, architects, plans of high-ways, . . . .	35 00
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Newhall, Geo., cash paid witness fees:	
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Geist case, . . . .	\$18 00
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Hill, . . . .	25 00
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Bugbee et al. . . .	30 72
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Maxwell, . . . .	40 00
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Amory et al., . . . .	70 36	184 08	\$7,490 96
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	\$13,955 96
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Treasurer authorized to borrow, . . . .	\$12,000 00
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## MEMORIAL DAY.

Appropriation, . . . . . \$200 00

## EXPENDED.

U. S. Grant Post 4, Department of  
Massachusetts, G. A. R., . . . \$200 00

## MILITARY AID.

Balance, 1893, . . . . .	\$185 50	
Appropriation, . . . . .	200 00	
	<hr/>	
	\$385 50	

## EXPENDED.

Boyd, William, . . . . .	\$180 00	
Burbank, Alonzo, . . . . .	10 00	
Campbell, George, . . . . .	96 00	
Stevens, Horace W., . . . . .	120 00	
York, Josiah R., . . . . .	16 00	
	<hr/>	
	422 00	
Less one-half to be refunded by state, . . . . .	211 00	\$211 00
	<hr/>	
Balance, . . . . .		\$174 50

## NUMBERING BUILDINGS.

Balance, 1893, . . . . .	\$7 88	
Appropriation, . . . . .	50 00	57 88

## EXPENDED.

Drown, Osborne E., numbering build- ings, . . . . .	36 60	
Wilkinson & Co., A. J., door numbers, . . . . .	20 40	\$57 00
	<hr/>	
Balance, . . . . .		88

## PUBLIC PARKS.

Balance, 1893,	.	.	.	.	.	\$189 88	
Appropriation,	.	.	.	.	.	100 00	
						<hr/>	\$289 88

## EXPENDED.

Carlin, Dennis, cutting bushes,	.	.				\$5 00	
Folsom, Wm. N., 460 loads gravel,	.					149 50	
Fuller, G. E., care of vase, Town Hall,						5 00	
Geist, Justus, filling vase, Town Hall,	.					20 00	
Howard, Otis, labor,	.	.	.	.		21 00	
MacDonald, Angus, stock and labor,	.					23 55	
Melrose Journal, advertising hearing,						1 50	
						<hr/>	225 55
Balance,	.	.	.	.	.		<hr/> \$64 33

## PERKINS STREET EXTENSION.

Balance, 1893,	.	.	.	.	.		\$406 24
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## EXPENDED.

Woodward, D. R., stock and labor,	.					\$14 50	
Labor, men and teams as per pay rolls,						391 74	
						<hr/>	\$406 24

## POLICE DEPARTMENT.

Balance, 1893,	.	.	.	.	.	\$25 35	
Appropriation,	.	.	.	.	.	7,800 00	
Cash received, court fees,	.	.	.			424 03	
“ house correction fees,	.					55 00	
						<hr/>	
<i>Amount carried forward,</i>	.	.					\$8,304 38

*Amounts brought forward,* . . . \$8,304 38

## EXPENDED.

## Paid officers, services rendered.

McLaughlin, F. M., chief, . . .	\$915 00
Brown, Harry, . . .	897 50
Brigham, Arthur L., . . .	305 25
Caswell, Wm. A., . . .	897 50
Carter, Frank E., . . .	176 50
Davis, John W., . . .	53 00
Davidson, James, . . .	4 00
Drown, Osborne E., . . .	916 25
Fogg, Chas. F. W., . . .	865 00
Fuller, Geo. E., . . .	521 43
Lane, William, . . .	6 50
Lynde, A. Wilbur, . . .	12 50
McCarthy, Wm. C., . . .	49 50
Pineo, Allston H., . . .	110 50
Rand, Redford M., . . .	915 50
Smith, Charles H., . . .	6 50
Smith, Jerome T., . . .	897 50
	<hr/>
	\$7,549 93

*Miscellaneous.*

Anderson, J. H. L., carriage hire, .	\$1 00
Austin, H. O., wagon boot, . . .	2 25
Baker, F. P., Moulding Co., frame, .	1 25
Bartlett, G. W., carriage hire, . .	28 50
Blanchard, C. C., proportional part of town for horses and harness for conveying prisoners to house of correction, . . .	94 00
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*Amounts carried forward,* . \$7,676 93 \$8,304 38

<i>Amounts brought forward,</i>			
Boardman & Co., W. W., carriage hire,	40	50	
Bowser, W. J., horse shoeing,	9	00	
Brock Bros., stock and labor,	7	20	
Casey, Jerry, whitewashing cells,	7	00	
Chase, O. R., boarding horse,	104	76	
Cheever, A. L., carriage hire,	1	00	
Cross, H. M. & L. W., medicine,	45		
Davis, John W., one horse,	65	00	
Dunton & Potter, blanks,	3	00	
Eastman's Express, expressage,	1	95	
Edwards, Jos., pung,	115	00	
Frost & Hawes, crackers and coffee,	7	94	
Fuller, Geo. E., keeper of lock up,	24	99	
Fuller, Geo. E., meals for prisoners,	21	75	
Goodno, W. A., stock and labor,	3	50	
Hinckley, L. F., crackers,	3	29	
Keating, W. E., carriage hire,	1	00	
King, G. F., & Merrill, account book,	4	75	
Larrabee & Stearns, sponge,	50		
Little, Brown & Co., book,	4	00	
Lovell John P., Arms Co., clubs,	4	50	
MacLachlan, A. L., saddle pad,	50		
McLaughlin, F. M., expenses conveying prisoners,	46	35	
Middlesex Ice Co., ice,	4	00	
New England Telephone Co., telephone,	18	93	
Perry, H. J., hardware,	2	15	
Rich, Reed & Atwood, blanket and robes,	12	90	
Sammet & Son, G. W., mattresses,	12	30	
Walker & Co., F. A., pails,	3	30	
Wheaton, H. D., carriage hire,	1	50	8,209 94
Balance,			\$94 44

## SUPPORT OF POOR.

Balance, 1893,	.	.	.	.	.	\$335 37	
Appropriation,	.	.	.	.	.	7,000 00	\$7,335 37
						<hr/>	<hr/>

## RECEIPTS.

Boston, city of,	.	.	.	.	.	\$184 72	
Malden, "	.	.	.	.	.	44 95	
Middleboro, town of,	.	.	.	.	.	91 00	
Wenham, "	.	.	.	.	.	312 39	
Estate of Mrs. Crocker,	.	.	.	.	.	169 46	
" Peter Edgerly,	.	.	.	.	.	211 92	
Singer, J. Jr., guardian of Mary Thayer,						996 25	
Stoneham, town of, aid to McGah,							
Wm.,	.	.	.	.	.	27 25	
Fields, H. G., aid to Marony,	.	.	.	.	.	9 00	2,046 94
							<hr/>
							\$9,382 31

## EXPENDED.

*Board and Clothing.*

Barron, E. J., 12 months,	.	.	.	.	.	\$156 00	
Bridgham, E. C., boots and shoes,	.	.	.	.	.	62 10	
Dadman, Mrs. Marshall, 1 year,	.	.	.	.	.	169 46	
Farrar, S. D., clothing,	.	.	.	.	.	28 98	
Haskins, Mrs. L. B., one year,	.	.	.	.	.	169 46	
Hawkins, Mrs. Annie, one year,	.	.	.	.	.	156 00	
Hitchins, Emma R., one year,	.	.	.	.	.	114 89	
Houghton, F. G., clothing,	.	.	.	.	.	7 00	
Loring, Jessie M.,	.	.	.	.	.	8 00	
Massachusetts Hospital for Dipsomani-							
acs and Inebriates, board,	.	.	.	.	.	107 25	
						<hr/>	
Amounts carried forward,	.	.	.	.	.	\$979 14	\$9,382 31



<i>Amounts brought forward,</i>	.	.	\$979 14	\$9,382 31
Newhall, Geo., boots and shoes,	.	.	148 60	
Waitt, G. M., eight months,	.	.	80 00	
Westgate & Son, G. L., dry goods,	.	.	2 58	
			<hr/>	
			\$1,210 32	

*Fuel.*

Benson & Co., S. E., coal and wood,	.	.	\$150 88	
Goss, C. B. & F. H.,	"	"	335 40	
Knollin, Wm.,	"	"	6 80	
Proudfoot & Co., D.,	"	"	6 88	
Tredick, C. Morris,	"	"	10 30	
			<hr/>	
			\$510 26	

*Groceries, Provisions, &c.*

Bugbee & Barrett,	.	.	.	.	\$191 55	
Crane & Stoddard,	.	.	.	.	10 00	
Dean & Sons, A. F.,	.	.	.	.	112 00	
Dill, Jesse A.,	.	.	.	.	25 34	
Eldridge, S. O.,	.	.	.	.	120 00	
Forbes, Geo. E.,	.	.	.	.	16 19	
Frost & Hawes,	.	.	.	.	60 56	
Hancock, C. F.,	.	.	.	.	6 00	
Hinckley, L. F.,	.	.	.	.	656 44	
Hocking, Alfred,	.	.	.	.	230 01	
Holbrook & Norton,	.	.	.	.	276 90	
Hovey & Co., H. N.,	.	.	.	.	99 00	
Israel, F. S.,	.	.	.	.	9 10	
Lucy Bros.,	.	.	.	.	26 00	
Newell, S. H.,	.	.	.	.	34 01	
Sanborn, F. E.,	.	.	.	.	15 00	
Wells, W. H.,	.	.	.	.	14 50	
White, G. R.,	.	.	.	.	11 60	
Worthen, C. C.,	.	.	.	.	47 04	
					<hr/>	

*Amounts carried forward,* . . \$1,961 24 \$9,382 31

*Amounts brought forward,* . . \$1,061 24 \$9,382 31

*Medical Attendance, Medicine, &c.*

Clark, J. S., M. D., . . . .	\$37 00
Cross, H. M. & L. W., medicines, .	75 95
Dike, John, M. D., . . . .	30 00
Harlow, C. W., M. D., . . . .	7 00
Jack, E. S., M. D., . . . .	33 50
Jones, L. C., M. D., . . . .	87 00
Larrabee & Stearns, medicine, .	57 31
Melrose hospital, care and board, .	54 00
Sanborn, J. E., M. D., vaccinating, .	3 00
Selee, Annie M., M. D., . . . .	6 00
	<hr/>
	\$390 76

*Outside Relief.*

Brockton, city of . . . . .	\$192 31
Cambridge, " . . . . .	18 72
Lowell, " . . . . .	206 18
Lynn, " . . . . .	141 75
Malden, " . . . . .	589 50
Medford, " . . . . .	14 60
	<hr/>
	\$1,163 06

*Rents.*

Cobb, J. W., . . . . .	\$48 00
Deering & Co., J. P., . . . .	143 00
Farnsworth, G. W., . . . . .	20 00
Fernald, B. M., . . . . .	39 00
Gordon, A. L., . . . . .	40 00
Hubbard, C. A. L., . . . . .	74 00
Ingalls, H. S., . . . . .	80 00
	<hr/>

*Amounts carried forward,* . . \$444 00 \$9,382 31

<i>Amounts brought forward,</i>	.	.	\$440 00	\$9,382 31
Knights, Mrs. Mary,	.	.	25 00	
Leonard, H. A.,	.	.	264 83	
Locke, Simeon,	.	.	35 00	
Lucy, Dennis,	.	.	18 00	
Madden, Patrick,	.	.	37 40	
Mahan, Thomas,	.	.	55 00	
McKinnon, Mrs. H. P.,	.	.	26 00	
Middlesex Fells Spring Co.,	.	.	35 00	
Murphy, Patrick,	.	.	104 00	
Philpot, Robert,	.	.	10 80	
Pierce & Co., C. F.,	.	.	291 00	
Upham, F. R.,	.	.	104 00	
Whittier, E. L.,	.	.	108 00	
			<hr/>	
			\$1,558 03	

*Support of Insane.*

Commonwealth of Massachusetts,	.	\$40 86
Danvers Lunatic Hospital,	.	1,862 46
Worcester Lunatic Hospital,	.	169 46
		<hr/>
		\$2,072 78

*Miscellaneous.*

Anderson, J. H. L., carriage hire,	.	\$2 00
Babb & Stephens, printing blanks,	.	9 25
Boston & Maine R. R., tickets,	.	1 52
Brigham, A. L., watching with insane,		3 75
Chase, O. R., carriage hire,	.	15 00
Connor, Josephine, care of Mrs. Coy,	.	24 00
Crosby, Patrick, watching with insane,		15 00
Fields, H. G., railroad tickets.	.	2 20
		<hr/>

*Amounts carried forward,* . . \$72 72 \$9,382 31

<i>Amounts brought forward,</i>	.	.	\$72 72	\$9,382 31
Libby & Son, A. C., account book,	.	.	3 75	
Little, Brown & Co., book.	.	.	4 00	
Lynde, A. V., legal services,	.	.	39 00	
McLaughlin, F. M., R. R. tickets,	.	.	1 25	
Mansfield, Patrick, watching with insane,	.	.	11 00	
Pierce & Son, A. B., undertaker's service,	.	.	70 00	
Walden, Margaret, nursing,	.	.	20 00	
			<hr/>	
			\$221 72	

*Recapitulation.*

Board and clothing,	.	.	.	\$1,210 32	
Fuel,	.	.	.	510 26	
Groceries, provisions, etc.,	.	.	.	1,961 24	
Medical attendance, medicine, etc.,	.	.	.	390 76	
Outside relief,	.	.	.	1,163 06	
Rents,	.	.	.	1,558 03	
Support of insane,	.	.	.	2,072 78	
Miscellaneous,	.	.	.	221 72	\$9,088 17
				<hr/>	
Balance,	.	.	.		\$294 14

## PUBLIC LIBRARY.

Received from county treasurer, dog					
tax for 1893,	.	.	.	\$1,076 49	
Appropriation,	.	.	.	1,000 00	\$2,076 49

## EXPENDED.

Allstine, A. K., binding books,	.	.	23 94	
Barnard & Co., J. K., binding books,	.	.	26 19	
Clarke & Co., W. B., books,	.	.	58 13	
DeWolfe, Fiske & Co., books,	.	.	466 82	
			<hr/>	

*Amounts carried forward,* . . . \$575 08 \$2,076 49

<i>Amounts brought forward,</i>			\$575 08	\$2,076 49
Dunton & Potter, printing reports and cards,			33 00	
Eastman's Express, expressage,			38 05	
Fuller, Geo. E., care of rooms,			77 84	
Funk & Wagnalls Co., book,			5 40	
Gibbons, Rosa, salary,			125 00	
Goss, F. M., books,			5 00	
Guild & Co., W. H., books and papers,			124 60	
Ingalls, J. C., book,			2 75	
King, G. F. & Merrill, sundries,			7 60	
Library Bureau, binders,			2 82	
Libby, C. L., care of books,			50 50	
Macmillan & Co., books,			2 03	
Mass. Historical Society, books,			6 00	
Melrose Journal, printing,			30 00	
Paine's Furniture Co., book case and chairs,			22 45	
Patch, C. A., treas., on acct. catalogues,			150 00	
Publishers' Weekly, index,			3 66	
Sargent & Son, Geo B., repairing stamp,			40	
Scribner's Sons, Chas., book,			1 00	
Small, Willard, books,			11 27	
Torrey, H. A., book,			4 75	
Wilder & Co., L. B., sundry printing and rebinding books.			249 54	
Worthen, Miss C. M., salary,			547 75	\$2,076 49

## SALARIES TOWN OFFICERS.

Balance, 1893,	.	.	.	.	.	\$35 14
Appropriation,	.	.	.	.	.	5,150 00
						<hr/> \$5,185 14

## EXPENDED.

Leonard, Henry A., assessor, 1894,	.	.	.	.	.	\$250 00
Pratt, Dexter, assessor, 1894,	.	.	.	.	.	250 00
Stantial, Geo. C., assessor, 1894,	.	.	.	.	.	250 00
Stantial, Geo. C., clerical services, 1894,	.	.	.	.	.	250 00
Gould, Edwin C., auditor, 1894,	.	.	.	.	.	300 00
Sanborn, John E., M. D., board of health,						
1894,	.	.	.	.	.	50 00
Warren, E. L., M. D., board of health,						
1894,	.	.	.	.	.	50 00
Washburn, Frank L., board of health,						
1894,	.	.	.	.	.	50 00
Bordman, E. K., town clerk, 1894,	.	.	.	.	.	300 00
Lane, Addison, collector, 1892,	.	.	.	.	.	64 54
Lane, Addison, collector, 1893,	.	.	.	.	.	558 79
Lane, Addison, collector, 1894,	.	.	.	.	.	502 63
Locke, Calvin, forest fire ward, 1894,	.	.	.	.	.	15 00
Marshall, James, forest fire ward, 1894,	.	.	.	.	.	15 00
Pratt, Dexter, forest fire ward, 1894,	.	.	.	.	.	15 00
Worthen, Chase C., forest fire ward, 1894,	.	.	.	.	.	15 00
Pratt, Dexter, inspector of buildings,						
1894,	.	.	.	.	.	100 00
Fields, Henry G., overseer of poor, 1894,	.	.	.	.	.	200 00
Bale, Mrs. M. B., overseer of poor, 1894,	.	.	.	.	.	50 00

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*Amounts carried forward,* . \$3,285 96 \$5,185 14

<i>Amounts brought forward,</i>	.	\$3,285 96	\$5,185 14
Buttrick, Sidney H., selectman, 1894,		200 00	
Cook, Chas. W.,	" "	200 00	
Deering, John P.,	" "	200 00	
Moore, Eugene H.,	" "	200 00	
Norton, Daniel,	" "	200 00	
Newhall, George, treasurer, 1894,	.	500 00	
Babb, Walter, registrar of voters, 1894,		50 00	
Bordman, E. K.,	" " " "	75 00	
Hocking, Alfred,	" " " "	50 00	
Kirmes, Victor C.,	" " " "	50 00	\$5,010 96
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Balance,	.		\$174 18

## SCHOOL BUILDINGS.

## Construction, remodelling, etc.

Expended in 1890,	.	\$25,528 00
" " 1891,	.	20,011 31
" " 1892,	.	776 56
Goss, C. B. & F. H., coal,	.	17 25
		<hr/>
		\$46,333 12
Cash received for dwelling house,		1,045 00
Treasurer authorized to borrow,	.	45,300 00

## SUPPORT OF SCHOOLS.

Balance, 1893,	.	612 98
Appropriation,	.	47,000 00
Cash, A. J. Burnett & Co., refunded,	.	6 05

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*Amount carried forward,* . . . \$47,619 03



*Amount brought forward,* . . . \$47,619 03

## EXPENDED.

*Teachers' Salaries.*

Whitman, Alonzo G., . . .	\$2,000 00
Small, Fritz H., . . .	1,000 00
Atwood, Isabella L., . . .	550 00
Ballou, A. A., . . . ✓	800 00
Barrett, Helen J., . . .	600 00
Barrows, M. D., . . .	280 00
Bisbee, Lucy W., . . .	600 00
Bishop, Clara, . . .	265 00
Call, Etta J., . . .	535 00
Carter, Willis S., . . .	600 00
Chadbourn, Annie B., . . .	550 00
Chapin, Isabel, . . .	550 00
Clark, Mary R., . . .	200 00
Coggeshall, M. I., . . .	520 00
Coyle, Cecilia, . . .	470 00
Crane, Eva R., . . .	550 00
Crosby, Della H., . . .	550 00
Davis, Esther M., . . .	550 00
Davis, Lillie J., . . .	550 00
Dempsey, Nellie C., . . .	510 00
Dermot, Lucy F., . . .	550 00
Dowe, Harriet, . . .	180 00
Drake, Grant, . . .	800 00
Ellis, Florence M., . . .	550 00
Fairbanks, Harriet C., . . .	1,000 00

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*Amounts carried forward,* . . . \$15,310 00 \$47,619 03

## EXPENSES OF THE TOWN.

101

<i>Amounts brought forward,</i>	.	.	\$15,310 00	\$47,619 03
Field, Hattie D.,	.	.	485 00	
Frost, Louise,	.	.	535 00	
George, Mary J.,	.	.	650 00	
Guptill, Alma J.,	.	.	550 00	
Heath, Rosamond,	.	.	120 00	
Knowles, Ruth,	.	.	180 00	
Lawrence, Bertha M.,	.	.	435 00	
Libby, Inez H.	.	.	270 00	
Long, Alice H.,	.	.	550 00	
Long, Annie P.,	.	.	240 00	
Loring, Mary,	.	.	64 00	
Lovejoy, Jennie G.,	.	.	11 44	
Mansfield, Clarimond,	.	.	390 00	
McCormick, A. Louise,	.	.	550 00	
Melcher, Susan D.,	.	.	550 00	
Mendum, Lydia,	.	.	700 00	
Merrill, Arline,	.	.	160 00	
Mitchell, Belle,	.	.	220 00	
Mowry, Clara B.,	.	.	240 00	
Nye, Mary E.,	.	.	535 00	
Plummer, Mary A.,	.	.	315 00	
Preston, I. S.,	.	.	135 00	
Ransom, Annie M.,	.	.	220 00	
Rhodes, Grace,	.	.	131 77	
Ricker, Hattie G.,	.	.	650 00	
Sheppard, Clara E.,	.	.	87 50	
Smith, Annie G.,	.	.	690 00	
Smith, Sarah G.,	.	.	300 00	
Snow, Minnie F. C.,	.	.	460 00	
Stewart, Gertrude B.,	.	.	220 00	

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*Amounts carried forward,* . . \$25,854 71 \$47,619 03

<i>Amounts brought forward,</i>		\$25,854 71	\$47,619 03
Sweetser, Effie C.,	.	700 00	
Swett, Alice M.,	.	800 00	
Taylor, Hattie C.,	.	245 00	
Trowbridge, Amelia F.,	.	510 00	
Tucker, Annie E.,	.	492 50	
Tupper, Mary E.,	.	460 00	
Weeks, Emma A.,	.	535 00	
Young, Janet,	.	550 00	
		<hr/>	
		\$30,147 21	

*School Superintendent.*

Robinson, B. F.,	.	\$2,000 00
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*Janitors' Salaries.*

Bemis, Frank,	.	\$276 64
Boutwell, Geo. W.,	.	1,045 84
Fuller, Charles H.,	.	300 00
Hitchins, John,	.	260 00
Molyneux, Edward H.	.	60 00
Ray, Thomas,	.	100 00
Upham, Eri,	.	200 00
Weeks, Isaac C.,	.	859 98
		<hr/>
		\$3,102 46

*Fuel and Gas.*

Benson & Co., S. E., coal and wood,	.	\$2,079 50
Goss, C. B. & F. H., " "	.	2,788 49
Malden & Melrose Gas Light Co., gas,		35 80
McCarthy's Sons, J., charcoal,	.	33 75
Turner, W. P.,	.	16 25
		<hr/>
		\$4,953 79

<i>Amount carried forward,</i>	.	\$47,619 03
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*Amount brought forward,* . . . \$47,619 03

*Furniture, Desks, Etc.*

Bird & Co., Lewis J., desks and chairs,	\$65 63
Chandler Chair & Desk Co., desks and chairs, . . . . .	106 00
McCullough, J. J., chairs, . . . . .	12 60
Miller, A. K., desk and chair, . . . . .	10 00
Perry & Co., Geo. S., desks and chairs,	325 15
United States School Fur. Co., chairs, .	16 80
	<hr/>
	\$536 18

*Miscellaneous.*

Albany Venetian Blind Co., blinds, .	\$24 12
Austin, J. S., carriage hire, . . . . .	21 00
American Express Co., expressing, .	17 10
Babb & Stephens, printing programmes,	13 00
Bartlett, G. W., carriage hire, . . . . .	5 00
Barstow Stove Co., dampers and labor,	5 38
Bemis, F. N., labor, . . . . .	9 00
Boardman & Co., W. W., horse hire, .	8 00
Braman, Dow & Co., sundries, . . . . .	13 17
Breck & Sons, Joseph, " . . . . .	11 50
Bugbee & Barrett, " . . . . .	1 43
Burlen, Robert, rebinding books, . . . . .	77 25
Carter Bros. & Co., chemicals . . . . .	1 36
Carter, W. S., colors, . . . . .	11 50
Chase, O. R., carriage hire, , . . . . .	4 00
Chandler & Farquhar, emery, . . . . .	90
Corson, Fred W., building fence, . . . . .	30 45
Cushman, Bros., & Co., window shades,	4 95
Daniels & Son, J. H., diplomas, . . . . .	25 00
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*Amounts carried forward,* . . . \$284 11 \$47,619 03

<i>Amounts brought forward,</i>	.	.	.	\$284 11	\$47,619 03
Drown, O. E., fumigating,	.	.	.	4 00	
Dunton & Potter, printing,	.	.	.	7 50	
Eastman's Express, expressing,	.	.	.	59 75	
Ellison, C. W., postage stamps,	.	.	.	10 98	
Everson, Charles H., stock and labor,	.	.	.	34 05	
Flatley, J. C., repairing flags,	.	.	.	3 00	
Franklin, A. B., stock and labor,	.	.	.	348 12	
Freeman, L. T., teaming chairs,	.	.	.	5 50	
Frost & Hawes, sundries,	.	.	.	3 35	
Fuller, G. E., building stage, Town Hall,	.	.	.	12 00	
Fuller, G. P., Jr., services,	.	.	.	1 00	
Gilbride & Grey, lawn mower,	.	.	.	24 80	
Globe Stamp Works, stamps,	.	.	.	1 40	
Harvey & Co., Charles C., carting					
piano,	.	.	.	11 00	
Hoffman, C. L., cleaning vaults,	.	.	.	6 50	
Hurd & Co., ribbons, etc.,	.	.	.	10 91	
Jefts, Wm. A., moving furniture,	.	.	.	3 50	
Jones, Edward A., Melrose House Guide,	.	.	.	1 00	
Jordan & Christey, dusters,	.	.	.	60 38	
Lapham, O. F., labor,	.	.	.	2 00	
Larrabee & Stearns, telephoning,	.	.	.	70	
Libby, G. W., maps,	.	.	.	7 20	
Lynde, A. W., building fence,	.	.	.	35 40	
Magee Furnace Co., water combination,	.	.	.	95 00	
Malden, City of, tuition of twenty-eight					
pupils,	.	.	.	625 00	
Melrose Athletic Club, vaulting bar, etc.,	.	.	.	25 00	
Melrose Journal, Printing,	.	.	.	92 31	
Merrill, F. H. J., labor,	.	.	.	9 77	
Melrose, Town of, sidewalk,	.	.	.	9 21	
<i>Amounts carried forward,</i>	.	.	.	\$1,795 44	\$47,619 03

<i>Amounts brought forward,</i>	\$1,795 44	\$47,619 03
McCoubry, Thos., stock and labor,	1 15	
McCullough, J. J., window shades,	2 80	
McFarlin, W. J., sundries,	80	
Mitchell Mfg., Co., A. W., badge,	1 04	
Molyneux, E. H., labor,	12 00	
McDonald., A, stock and labor,	303 42	
Norton, D., halliards for flags,	7 50	
Nye, E. B., tuning piano,	8 00	
Perry, H. J., hardware, etc.,	93 97	
Philpot, R., cleaning cesspools,	43 50	
Philpot, R., laying concrete sidewalk,	33 34	
Pratt's Son, D., six clocks,	39 00	
Reed, G. P., cleaning clocks,	6 00	
Rink, J. C., labor,	5 50	
Robinson, B. F., postage and incidentals,	91 27	
Scribner, S. M., hardware,	17 14	
Smith, W. labor on flag poles,	10 00	
Stone, H. W., making diplomas,	5 10	
Thorp & Martin Co., stencil paper,	2 70	
Trask & Co., H. D., cleaning furnace pipe,	130 35	
Twombly & Co., A. J., moving furniture,	3 00	
Wadsworth, Howland & Co., oil and paint,	8 73	
Warren & Co., M. C., hardware,	3 88	
Weeks, I. C., stock and labor,	35 90	
Weld, F. D., extension ladder,	10 00	
Woodhull, C. E., tuning piano,	2 50	
Worthen, A. E., services collecting tickets,	1 00	
	<hr/>	
	\$2,674 03	
<i>Amount carried forward,</i>		\$47,619 03

*Amount brought forward,* . . . . \$47,619 03

## REPAIRS.

Barstow Stove Co., repairing furnace	
pipe, . . . . .	\$15 65
Brock Bros., stock and labor, . . .	140 61
Burnett, A. J., stock and labor, . . .	12 45
Cass & Bridge, painting school buildings,	121 75
Curry, R. H., stock and labor, . . .	10 10
Deering & Co., J. P., lumber, . . .	88 25
Dew, G. W., stock, labor and painting,	18 43
Gibson & Son, J. H., painting school	
building, . . . . .	96 22
Gould & Cook, repairing pencil sharp-	
ener, . . . . .	4 47
Gould & Cutler, paints and oil, . . .	74 23
Holbrook, J. L., stock and labor, . . .	1 46
Parker, A. W., setting glass, . . . .	1 25
Patterson, J. H., labor, mason, . . .	25 46
McCarthy, J. E., mason-work, . . . .	21 75
Richardson, Wm., dressing black-boards,	
etc., . . . . .	168 27
Sunman, C. W., stock and labor, . . .	18 43
Webb, D. A., repairing and varnishing	
desk, . . . . .	48 00
Woodward, D. R., stock and labor, . .	138 48
	<hr/>
	\$1,005 26

*Supplies, Books, Stationery, etc.*

American Book Co., books. . . . .	86 83
Appleton & Co., D., books, . . . . .	14 00
Babb & Co., E. E., books, . . . . .	493 24
	<hr/>

*Amounts carried forward,* . . . \$594 07 \$47,619 03



<i>Amounts brought forward,</i>	.	.	\$594 07	\$47,619 03
Boston School Supply Co., books,	.	.	52 70	
Boyden, A. C., books.	.	.	1 80	
Century Co., books,	.	.	4 00	
Carter, Carter & Kilham, sponges,	.	.	4 94	
Carter, Rice & Co., paper,	.	.	21 16	
Castor & Co., T. H., books,	.	.	37 01	
Cutler Bros. & Co., chemicals,	.	.	5 14	
Draper, J. H., druggist sundries,	.	.	4 15	
Dunton & Potter, paper and card-board,			12 00	
Educational Publishing Co., books,	.	.	57 64	
Franklin Educational Co., books,	.	.	135 76	
Frost & Adams, sundries,	.	.	23 46	
Ginn & Co., books,	.	.	526 76	
Hammett, J. L., sundries,	.	.	19 77	
Heath & Co., D. C., books,	.	.	70 08	
Holden Pat. Book Cover Co., covers,	.	.	26 44	
Houghton, Mifflin & Co., books,	.	.	60 94	
Kellogg & Co., E. L., books,	.	.	10 62	
King, G. F. & Merrill, sundries,	.	.	191 63	
Leach, Shewell & Sanborn, books,	.	.	136 79	
Lee & Shepard, books,	.	.	50 61	
Lothrop Co., D., books,	.	.	12 80	
Maynard, Merritt & Co., books,	.	.	7 20	
Meade, Dodge & Co., paper,	.	.	93	
Nichols Co., The C. A., books,	.	.	18 00	
Perry, & Co., Geo. S., sundries,	.	.	236 91	
Porter & Co., J. E., books,	.	.	2 84	
Potter & Coates, books,	.	.	45 25	
Pulsifer, Jordan & Co., paper,	.	.	400 01	
Scribner's Sons, Chas., books,	.	.	5 10	

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*Amounts carried forward,* . . . \$2,776 51 \$47,619 03

<i>Amounts brought forward,</i>	.	\$2,776 51	\$47,619 03
Silver, Burdett & Co., books,	. . .	155 21	
Small, William, books,	. . .	1 89	
University Publishing Co., books,	. . .	92 13	
Ware & Co., W., books,	. . .	6 00	
Werner Co., The, books,	. . .	82 08	
		<hr/>	
		\$3,113 82	

## RECAPITULATION.

Teachers' salaries,	. . . . .	\$30,147 21	
Superintendent's salary,	. . . . .	2,000 00	
Janitors' salaries,	. . . . .	3,102 46	
Fuel and gas,	. . . . .	4,953 79	
Furniture, desks, etc.,	. . . . .	536 18	
Miscellaneous bills,	. . . . .	2,674 03	
Repairs,	. . . . .	1,005 26	
Supplies,	. . . . .	3,113 82	
		<hr/>	47,532 75
Balance,	. . . . .		<hr/> \$86 28

## SEWER FUND.

*Cr.*

Cash received for 75 sewer bonds sold,	\$75,000 00	
" premium,	4,813 00	
" accrued interest,	716 68	
" highway dept., engi-		
neer's services,	125 00	
" sidewalk dept., engi-		
neer's services,	250 00	
	<hr/>	\$80,904 68

*Dr.*

Interest, coupons on sewer bonds,	\$1,500 00	
Bills on account of construction,	69,887 46	
Bill of W. C. Stevens, as reported 1893,	994 00	
	<hr/>	72,381 46
Balance to credit of fund,		<hr/> \$8,523 22
See report of sewer dept. for details.		

## SIDEWALKS — CONCRETE.

Balance, 1893,	.	.	.	.	.	\$154 85
Appropriation,	.	.	.	.	.	2,500 00
Cash received for concrete laid in 1890,					\$20 57	
"	"	"	1891,		59 28	
"	"	"	1892,		107 34	
"	"	"	1893,		302 98	
"	"	"	1894,		1,143 46	
						<u>1,633 63</u>
						\$4,288 48

## EXPENDED.

Dunton & Potter, printing, . . . . .	\$2 75
Ellison, C. W., P. M., postage stamps, . . . . .	10 00
Gilchrist, Geo. E., one-half expense 141.16 yds. laid in 1892, . . . . .	42 34
Gould, Edwin C., clerical services under direction of selectmen, . . . . .	15 00
Jones, N. P., one-half expense 46.8 yds. laid 1893, . . . . .	14 04
Melrose Journal, printing, . . . . .	2 00
Sturgess, P. F., one-half expense 120.1 yds. laid in 1893, . . . . .	36 03
Sewer dept., services of engineer, . . . . .	250 00
Hoffman, C. L., 2,456.44 yds. at 50 cts., . . . . .	1,228 22
“ 1,327.49 yds. repairing at 50 cts., . . . . .	637 62
“ 1,079.37 yds. top dress- ing at 25 cts., . . . . .	269 83
Philpot, Robert, 2,936.47 yds. at 50 cts., . . . . .	1,468 22
“ 252.22 yds. repairing at 50 cts., . . . . .	126 13
“ 274.57 yds. top dress- ing at 25 cts., . . . . .	68 64
	<hr/>
	\$4,170 82
Balance, . . . . .	<hr/> \$117 66

New walks laid, one-half to be paid by abutters, 5,956.98 yds., . . . .	\$2,978 79
New walks laid by abutters, one-half paid by town, 308.06, . . . .	92 41
Repairing 1,579.71 yds., paid by town,	763 75
Top dressing, 1,353.94 yds., . . . .	338 47
Amount due from abutters, laid in 1889,	\$35 79
“ “ “ 1890,	11 39
“ “ “ 1891,	8 00
“ “ “ 1892,	119 58
“ “ “ 1893,	163 24
“ “ “ 1894,	370 07
	<hr/>
	\$708 07

### BURIAL OF INDIGENT SOLDIERS AND SAILORS.

Refunded by the Commonwealth.

Gately, John H., undertaker's services,	\$35 00
Pierce & Son, A. B., “ “ .	105 00
	<hr/>
	\$140 00

### SOLDIERS' LOTS.

Balance, 1893, . . . . , .	\$142 73
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#### EXPENDED.

Cemetery Dept., labor on lots, . . .	9 00
	<hr/>
Balance, . . . . .	\$133 73

## SOLDIERS' RELIEF.

Appropriation, . . . . .	\$750 00
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## EXPENDED.

Ames, Benj., rents, . . . . .	\$108 00
Barker, G. U., groceries, . . . . .	10 00
Benson & Co., S. E., coal and wood, . . . . .	43 88
Beverly, town of, rent and groceries, . . . . .	196 39
Bugbee & Barrett, groceries, . . . . .	130 00
Burbank, A. F., cash allowance, . . . . .	5 00
Burnham, Mrs. E. D., cash allowance, . . . . .	8 00
Claussen, Christian, . . . . .	125 00
Eldridge, S. O., groceries, . . . . .	38 00
Goss, C. B. & F. H., coal and wood, . . . . .	22 50
Hancock, C. F., groceries, . . . . .	18 21
Hinckley, L. F., groceries, . . . . .	18 00
Hocking, A., groceries, . . . . .	139 00
Holbrook & Norton, groceries, . . . . .	113 00
Howard, Mrs. Mary E., cash allowance, . . . . .	42 00
Ingalls, H. P., groceries, . . . . .	74 50
Lander, Gen'l, Post 5, G. A. R., relief furnished, . . . . .	36 00
Marshall, J., coal and wood, . . . . .	17 25
Newhall, Geo., boots, . . . . .	1 25
Sanborn, F. E., groceries, . . . . .	3 00
Smith Bros., repairing shoes, . . . . .	2 85
Tucker, F. J., cash allowance, . . . . .	161 00
Wells, W. H., groceries, . . . . .	10 00
York, Josiah R., cash allowance, . . . . .	2 00
York, Mrs. Nancy M., cash allowance, . . . . .	39 00

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\$1,363 83

Expenditures exceed appropriation,	\$613 83
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## SPOT POND IMPROVEMENT.

Balance, 1893,	.	.	.	.	.		\$251 24
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## EXPENDED.

Hesseltine, F. S., legal services,	.	.				\$100 00	
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Balance,	.	.	.	.	.		\$151 24
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## STATE AID.

*Paid disabled soldiers and dependent relatives during year of 1894.*

Refunded by the Commonwealth, Dec., 1895.

Arnold, Thomas F.,	.	.	.	.		\$12 00
Arnold, Rebecca E.,	.	.	.	.		12 00
Babcock, George W.,	.	.	.	.		63 00
Baldwin, Mary C.,	.	.	.	.		16 00
Barrett, Sarah,	.	.	.	.		48 00
Bryant, Lydia J.,	.	.	.	.		36 00
Burbank, Abigail F.,	.	.	.	.		28 00
Burbank, Sophia G.,	.	.	.	.		24 00
Burnham, Elizabeth D.,	.	.	.	.		48 00
Burnham, Paschal E.,	.	.	.	.		12 00
Chandler, Abby A.,	.	.	.	.		48 00
Chapman, Phœbe H. K.,	.	.	.	.		8 00
Critchett, Charles E.,	.	.	.	.		44 00
Doherty, Daniel,	.	.	.	.		60 00
Double, Elizabeth A.,	.	.	.	.		48 00
Drake, Alvin,	.	.	.	.		51 00
Emerson, James G.,	.	.	.	.		48 00
Everson, Sarah J.,	.	.	.	.		48 00
Foster, Elmira A.,	.	.	.	.		48 00

<i>Amount carried forward,</i>	.	.				\$702 00	\$3,104 78
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<i>Amount brought forward,</i>	\$702 00
French, Rebecca H., . . . . .	48 00
Gamble, Ellen, . . . . .	4 00
Gibbs, Benjamin F., . . . . .	4 00
Grover, George W., . . . . .	48 00
Guild, John H., . . . . .	2 00
Hare, Andrew, . . . . .	48 00
Heaton, Anastasia, . . . . .	48 00
Hollis, Melissa, . . . . .	48 00
Hood, Wendell P., . . . . .	64 00
Hubbard, George F., . . . . .	72 00
Irwin, William F., . . . . .	72 00
Johnson, Jerome B., . . . . .	4 00
Lovett, Jane, . . . . .	24 00
McLaughlin, Mary, . . . . .	48 00
Mitchell, Moses P., . . . . .	48 00
Poole, Helen E., . . . . .	48 00
Richardson, William H., . . . . .	36 00
Rowell, Hannah, . . . . .	48 00
Rowell, Stephen P., . . . . .	48 00
Spear, Ephraim W., . . . . .	36 00
Storey, Hannah, . . . . .	48 00
Swett, Cyrus E., . . . . .	48 00
Terry, Mary, . . . . .	48 00
Tucker, Helen E., . . . . .	48 00
Warren, Ephram L., . . . . .	60 00
Weeks, Luzon, . . . . .	30 00
Woodard, Freeman, . . . . .	48 00
Woodward, Jane E., . . . . .	48 00
York, Benjamin F., . . . . .	48 00
York, Josiah R., . . . . .	20 00
York, Nancy M., . . . . .	16 00
York, William B., . . . . .	32 00



## STREET LIGHTS.

Balance, 1893, . . . . .	\$300 93	
Appropriation, . . . . .	8,000 00	
Cash received for old lamps, . . . . .	3 00	
	<hr/>	8,303 93

## EXPENDED.

Malden Electric Co., street lighting, as per contract, . . . . .		8,303 33
		<hr/>
Balance, . . . . .		60

## STREET SIGNS.

Balance, 1893, . . . . .	\$62 74
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## EXPENDED.

Goodno, W. A., labor on posts, . . . . .	\$6 00	
Parker, A. W., making and painting signs, . . . . .	49 75	
	<hr/>	55 75
		<hr/>
Balance, . . . . .		\$6 99

## COUNTY, STATE AND SEWER TAXES.

Treasurer, county tax of 1894, . . . . .	\$7,195 97	
" state " " . . . . .	6,580 00	
" metropolitan sewer loan sinking fund, . . . . .	735 68	
" interest on metropolitan sewer loan, . . . . .	2,506 42	
" cost of maintenance of metropolitan sewer, . . . . .	799 80	
	<hr/>	\$17,817 87

## TOWN HALL,

Appropriation, . . . . .	\$600 00
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Cash received for use of hall from the following :

Davis, C. C., . . . . .	\$60 00
Golden Slipper Concert Co., . . . . .	30 00
Health lecture, . . . . .	10 00
Lewis, Rev. J. J., . . . . .	50 00
Melrose Athletic Club, . . . . .	15 00
“ Associated Charities, . . . . .	10 00
“ Amphion Club, . . . . .	80 00
“ Co-operative Bank, . . . . .	15 00
“ Club, . . . . .	20 00
“ firemen, . . . . .	15 00
“ high school alumni, . . . . .	10 00
“ high school, . . . . .	5 00
“ Hospital Association, . . . . .	15 00
“ lyceum, . . . . .	200 00
“ national bank, . . . . .	125 00
“ republican town committee, . . . . .	20 00
Republican senatorial committee, . . . . .	10 00
St. Mary's society, . . . . .	65 40
Unitarian society, . . . . .	30 00
Universalist society, . . . . .	30 00
Uncle Tom's Cabin Co., . . . . .	30 00
Woodward, S., . . . . .	10 00
Young Men's Christian Association, . . . . .	50 00
	<hr/> 905 40
<i>Amount carried forward, . . . . .</i>	<hr/> \$1,505 40

*Amount brought forward,* . . . . \$1,505 40

## EXPENDED.

*Fuel and Gas.*

Benson & Co., S. E., coal, . . .	\$130 00
Goss, C. B. & F. H., coal, . . .	135 70
McCarty, John, charcoal, . . .	4 50
Malden Electric Co., light at Essex street entrance, . . . .	43 60
Malden & Melrose Gas Light Co., .	680 48
	<hr/>
	\$994 28

*Miscellaneous Bills.*

Bugbee & Barrett, sundries, . . .	\$7 35
Connell, John, labor, . . . .	37 50
Durham, Henry, labor, . . . .	23 50
Eastman's Express, moving piano, .	19 00
Frost & Hawes, mop, . . . .	20
Fuller, G. E., janitor, . . . .	275 00
Goodno, W. A., stock and labor, . .	5 30
Howard Watch & Clock Co., labor on clock, . . . .	10 34
Jordan & Christie, brushes, . . .	10 75
Larrabee & Stearns, sundries, . .	3 20
Mason, E. Carson, tuning piano, . .	3 00
McCullough, J. J., window shades, .	5 40
Norton, D., halliard, . . . .	1 50
Perry, H. J., locks, keys, etc., . .	10 49
Richardson, Wm., labor, . . . .	80
Tarbell, E. R. & E. H., alcohol torch, .	1 50
	<hr/>
	\$414 83

*Amount carried forward,* . . . . \$1,505 40

*Amount brought forward,* . . . \$1,505 40

*Repairs.*

Brock Bros., stock and labor, . . .	10 63
Burnett & Co., A. J., stock and labor, .	45 89
Deering & Co., J. P., lumber, . . .	10 30
Edwards, Jos., stock and labor, . . .	2 75
Franklin, A. B., labor, . . . . .	2 24
Goodno, W. A., stock and labor, . . .	21 73
Parker, A. W. setting glass, stock and labor, . . . . .	16 83
Perry, H. J., sash cords and pulleys, .	1 38
Ryder, C. E., stock and labor, . . .	1 50
	<hr/>
	\$113 25

*Recapitulation.*

Fuel and lights, . . . . .	\$994 28
Miscellaneous bills, . . . . .	414 83
Repairs, . . . . .	113 25
	<hr/>
	\$1,522 36

Amount overpaid, . . . . . \*\$16 96

\* Made good by bills paid since Treasurer's books were closed.

TOWN USE OF WATER FOR PUBLIC PURPOSES.

Appropriation, . . . . . \$3,000 00

EXPENDED.

Water Department bill, . . . . . \$3,000,00

*Water Fund.*

Balance to the credit of account 1893, .	\$6,571 83
Received from E. H. Goss, water regis- trar, for water rates collected 1894, \$35,900 30	
Received for 12 water bonds sold, . 12,000 00	
Received for premiums and interest, . 454 00	
	<hr/>
	\$48,354 30

*Amount carried forward,* . . . \$54,926 13

*Amount brought forward,* . . . \$54,926 13

## DR.

Water loan sinking fund commission		
surplus, 1893, . . . . .	\$7,221	55
Interest coupons on water bonds, . . .	9,940	00
Bills on account of construction and		
maintenance, etc., . . . . .	41,396	34
Transferred to additional water supply,	577	55
	<hr/>	
	\$59,135	44
Expenditures exceed receipts, . . . .		\$4,209 31

*Additional Water Supply.*

Transferred from water fund, . . .	\$577	55
Less amount over-paid 1893, . . .	577	55

## WYOMING CEMETERY.

## RECEIPTS.

Sale of lots, . . . . .	\$1,714	75
For deeds in exchange for lots in old		
cemetery, . . . . .	19	00
Sale of single graves, . . . . .	69	00
Care of lots, . . . . .	902	25
Labor, . . . . .	41	50
Interments, . . . . .	469	25
Foundations and vaults, . . . . .	250	16
Dressing, . . . . .	30	00
Rent of Pratt farm, . . . . .	169	50
Interest on trust funds, . . . . .	121	78
<i>Amount carried forward,</i> . . . . .	<hr/>	\$3,787 19

*Amount brought forward,* . . . . \$3,787 19

## EXPENDED.

Benson & Co., S. E., sleepers, . . . .	\$ 75
Blake, George F., casket depositor, . .	37 50
Blen, E. A., manure, . . . .	28 75
Brock Bros., leathers and repairing pumps, . . . . .	1 15
Brock Bros., one sink, . . . .	3 40
Bugbee & Barrett, grass seed, boxes, powder, etc., . . . . .	26 30
Carlisle, E. A., Pope & Co., doors, sash, etc., . . . . .	21 55
Casey, Cornelius, flowers, . . . .	21 61
Cassell T., manure, . . . .	8 75
Collegan, Mrs. J., manure, . . . .	3 75
Deering & Co., J. P., lumber, . . . .	80 80
Dunton & Potter, printing, . . . .	3 25
Eastman's Express, expressage, . . . .	2 85
Ellison, C. W., P. M., postage stamps, .	15 00
Frost & Hawes, boxes, . . . .	30
Goss, C. B. & F. H., cement, . . . .	39 60
Gould, Edwin C. services rendered from Jan. 1, 1894, to Dec. 31, 1894, com- piling records, removing bodies from old cemetery and other cleari- cal services, under direction of committee, . . . . .	165 90
Harlow, Wm., numbering markers, . .	5 40
King, G. F., & Merrill, letter file, . .	50
Larrabee, John, salary as committee, .	25 00

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*Amounts carried forward,* . . . \$492 11 \$3,787 19

<i>Amounts brought forward,</i>	.	.	\$492 11	\$3,787 19
Larrabee & Stearns, blank book,	.	.	70	
McCoubry, Thos., stock and labor				
sharpening tools,	.	.	15 77	
McDonald, D., 254.6 ft. granite capping,			139 97	
Marshall, James, manure,	.	.	2 00	
Marshall, Thomas, manure,	.	.	6 00	
Maclachlan, A. L., repairing straps,	.	.	50	
Water dept., pipes and water rates,	.	.	35 75	
Newhall, Geo., salary as committee,	.	.	25 00	
Perry, H. J., powder, fuse and tools,	.	.	5 53	
Perry, H. J., hardware,	.	.	14 48	
Ripley, C. A., labor on Pratt house,	.	.	104 12	
Small, Edwin A., 500 slate markers,	.	.	125 00	
Smith Bros., sharpening mowers,	.	.	5 10	
Swett & Scribner, tools,	.	.	15 63	
Vaughan, S. E., 100 boxes,	.	.	22 00	
Woodward, D. R., labor on fence, old				
cemetery,	.	.	18 05	

*Labor and Teams.*

Marshall, Thos., supt., 5 mos.,	\$325 00	
Men, 99½ days at \$2.50,	248 75	
Men, 1147¾ days at 2.00,	2,295 75	
Teams, 136½ days at 1.75,	238 87	\$3,108 37
		<hr/>
		\$4,136 08
Expenditures exceed receipts,	.	\$348 89



## REPORT OF TOWN TREASURER.

Cash in treasury, January 13, 1894, . . .	\$9,682 66
Total receipts for the year, . . . .	355,024 74
	<hr/>
	\$364,707 40
Total disbursements, . . . . .	359,807 37
	<hr/>
Cash in treasury, January, . . . . .	\$4,900 03

### CEMETERY TRUST FUNDS.

1885. Estate Sally Upham . . . . .	\$200 00
1886. S. B. Cochrane, . . . . .	200 00
1887. Estate of Wm. H. Jones, . . . . .	100 00
1888. Estate of Mrs. Lynthia L. Burgess, . . .	100 00
1888. C. O. and Mrs. Thomas Robinson, . . .	100 00
1889. Mrs. Caroline Curtis, . . . . .	100 00
1889. C. E. Daniels, treasurer Winchester Home, *	300 00
1889. Estate of J. Vincent Smith, M. D., . . .	200 00
1889. Estate of Peter Edgerly, . . . . .	100 00
1890. Mrs. Sarah Whowell, . . . . .	50 00
1890. William A. Fuller, . . . . .	150 00
1891. Mrs. J. P. Becket, . . . . .	100 00
1891. Louis Earl, . . . . .	100 00
1892. Daniel Russell, . . . . .	200 00
1892. Estate of Jonathan Lynde, . . . . .	100 00
1892. Miss Joana Stackpole, . . . . .	100 00
1892. Estate of Eliza L. Crocker, . . . . .	100 00
1892. Hannah Scrannage, . . . . .	50 00
	<hr/>
<i>Amount carried forward, . . . . .</i>	<i>\$2,350 00</i>

<i>Amount brought forward,</i>	.	.	.	\$2,350 00
1893. Estate of George N. Noyes,	.	.	.	100 00
1893. Estate of James H. Little,	.	.	.	150 00
1894. Estate of Lucy M. A. Payne,	.	.	.	150 00
1894. Estate of Charles D. Wild,	.	.	.	100 00
1894. Estate of Mary G. Upham.	.	.	.	100 00
1894. Eliza A. & Geo. E. Fenn,	.	.	.	100 00
1894. Mrs. Susan P. Whitney,	.	.	.	50 00
1894. Mrs. Lizzie M. Liniken,	.	.	.	150 00
				<hr/>
				\$3,250 00

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GEO. NEWHALL, TREASURER.

*In account with the TOWN OF MELROSE.*

DR.

Cash in treasury January 13, 1894,	.	\$9,682 66
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RECEIPTS.

A. Lane, collector of taxes 1890,	.	.	\$8 72
" . " " 1891,	.	.	52 62
" " " 1892,	.	.	922 40
" , " 1893,	.	.	58,789 39
" " " 1894,	.	.	83,996 40
			143,769 53
Water rates,	.	.	35,900 30
12 water bonds sold,	.	.	12,000 00
Interest,	.	.	454 00
			48,354 30
Cemetery trust fund,	.	.	650 00
Dog tax,	.	.	1,076 49
Commonwealth of Massachusetts:			
Military aid,	.	.	165 50
State aid,	.	.	1,911 00
			<hr/>
<i>Amounts carried forward,</i>	.	.	\$2,076 50
			\$203,532 98

<i>Amounts brought forward,</i>	.	\$2,076 50	\$203,532 98
Bank and Corporation tax,	.	8,608 11	10,684 61
75 sewer bonds sold,	.	75,000 00	
Premium,	.	4,813 00	
Interest,	.	716 68	
Town of Melrose, for engr. services,	.	375 00	80,904 68
Temporary loans,	.		59,221 55
From various sources on account of			
Contingent,	.	103 69	
Commonwealth of Massachusetts,			
burial of soldier,	.	17 50	
Fire department,	.	86 00	
Highways,	.	512 25	
Interest,	.	432 60	
Perkins street extension,	.	350 00	
Police,	.	479 03	
Poor,	.	2,046 94	
Public Library,	.	30	
Schools,	.	6 05	
Sidewalks,	.	1,633 63	
Street lights,	.	3 00	
Town Hall,	.	905 40	
Wyoming Cemetery,	.	3,787 19	10,363 58
			<hr/>
			\$364,707 40

## STATEMENT OF THE TOWN DEBT.

## WATER BONDS.

Melrose water loan, high service issue of 1885, due Nov. 1, 1905, . . . . .	\$37,000 00
Melrose water fund, series of 1878, due May 1, 1907, . . . . .	50,000 00
Melrose water fund series of 1890, renewal, due 1896-97-98-99, 1900, \$10,000 each year, .	50,000 00
Melrose water bond, series of 1892, due 1912, .	25,000 00
Melrose water bond, series of 1892, renewal, due 1912, . . . . .	37,000 00
Melrose water bond, series of 1893, due 1913, .	50,000 00
	<hr/>
	\$249,000 00

## TOWN HALL BONDS.

Melrose Town Hall, due 1912, renewal, . . . .	\$45,000 00
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## SEWER BONDS.

Melrose sewerage loan, series of 1894, due June 1, 1924, . . . . .	\$75,000 00
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## PERMANENT LOANS.

*Loans on account of Building and Re-  
modelling School Buildings, as per vote*

*May 20, 1890.*

Barnard & Stanwood, due Aug. 30, 1895 @ 4 per cent., . . . . .	\$10,000 00
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Provident Inst. for Savings, due Dec.

8, 1898, @ 4 per cent., . . . . .	10,000 00
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<i>Amounts carried forward, .</i>	<hr/>	<hr/>	\$20,000 00	\$369,000 00
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<i>Amounts brought forward,</i>	.	.	\$20,000 00	\$369,000 00
<i>Loans on account of Grove Street School</i>				
<i>Building, as per vote June 22, 1891.</i>				
Provident Inst. for Savings, due Dec.				
8, 1900,	.	.	.	\$11,000 00
<i>Loans on account of Warren Street and</i>				
<i>Vinton Street School Buildings, as per</i>				
<i>vote of 1892.</i>				
C. N. Barnard & Co., @ 4 per cent.,				
due August 1, 1895,	.	.	.	\$7,000 00
"	1896,	.	.	7,000 00
"	1897,	.	.	7,000 00
				\$52,000 00
				<hr/>
				\$421,000 00

## TEMPORARY LOANS.

Melrose savings bank, @ 4 per cent.:				
Dated Feb. 8, 1893,	.	.	.	\$10,000 00
" Apr. 12, 1893,	.	.	.	5,000 00
" May 4, 1893,	.	.	.	5,000 00
Levi S. Gould, dated Aug. 1, 1893, on				
demand,	.	.	.	6,000 00
Elizabeth T. Baker, dated Aug. 2, 1893,				
6 mos., @ 6 per cent.,	.	.	.	500 00
C. C. Odlin, dated Aug. 16, 1893, 6 mos.,				
@ 6 per cent.,	.	.	.	700 00
Elizabeth T. Baker, dated Aug. 26, 1893,				
6 mos., @ 6 per cent.,	.	.	.	1,000 00
Sarah F. Barron, dated Sept. 1, 1893, 6				
mos., @ 6 per cent.,	.	.	.	200 00
Wm. F. Conant, Tr., dated Sept. 6, 1893,				
1 year, @ 6 per cent.,	.	.	.	1,000 00
Eliza Eldridge, dated Sept. 6, 1893, 6				
mos., @ 6 per cent.,	.	.	.	1,000 00
				<hr/>
<i>Amounts carried forward,</i>	.	.	\$30,400 00	\$421,000 00

<i>Amounts brought forward,</i>	\$30,400 00	\$421,000 00
John S. Austin, dated Sept. 12, 1893, 6 mos., @ 6 per cent.,	2,000 00	
Melrose savings bank, dated Dec. 28, 1893, demand, 4 per cent.,	15,000 00	
Melrose savings bank, dated Jan. 4, 1894, demand, 4 per cent.,	5,000 00	
Melrose savings bank, dated March 14, 1894, 1 year, for Main st. widening, 4 per cent.,	12,000 00	
Melrose savings bank, dated April 20, 1894, on demand, @ $3\frac{1}{4}$ per cent.,	5,000 00	
Lizzie C. Haskell, dated July 9, 1894, on demand, @ 4 per cent.,	5,000 00	
Water loan sinking fund, dated Jan. 1, on demand, @ 4 per cent.,	7,221 55	
Melrose savings bank, dated Dec. 19, 1894, on demand, $3\frac{1}{4}$ per cent.,	10,000 00	
	<hr/>	91,621 55
		<hr/>
		\$512,621 55

## CR.

*Paid Bills per Warrant.*

Burial of indigent soldiers,	\$140 00
Contingent special,	1,112 37
Contingent,	3,356 71
Fire alarm,	202 64
Fire department,	8,450 10
Health,	1,476 62
Highways,	12,771 59
Insurance,	1,441 80
Interest,	8,502 13
Main street,	6,070 77
Main street widening,	7,490 96
	<hr/>
<i>Amounts carried forward,</i>	\$51,015 69

<i>Amount brought forward,</i>		\$51,015 69
Memorial day,		200 00
Military aid,		422 00
Metropolitan sewer, interest and sinking fund,		4,041 90
Numbering buildings,		57 00
Park department,		225 55
Perkins street extension,		406 24
Police department,		8,209 94
Poor department,		9,088 17
Public library,		2,076 79
Salaries of town officers,		5,010 96
School building, new,		17 25
Schools, support of,		47,532 75
Sewer department,		71,387 46
Sidewalks,		4,170 82
Soldiers' lots,		9 00
Soldiers' relief,		1,363 63
Spot pond improvement,		100 00
State aid,		1,994 00
Street lights,		8,303 33
Street signs,		55 75
Taxes (county and state),		13,775 97
Town Hall,		1,522 36
Water fund,		51,336 34
Water, town use of,		3,000 00
Wyoming cemetery,		4,136 08
Water loan sinking fund commissioners' surplus of 1893,		7,221 55
Loans, permanent,		17,000 00
Loans, temporary,		45,400 00
		<hr/> \$359,807 37
Cash in treasury,		4,900 03
		<hr/> \$364,707 40



## AVAILABLE ASSETS.

Due from State, State aid, 1894, .	\$1,994 00	
“ military aid, 1894, .	211 00	
“ burial of soldiers, .	122 50	
	<hr/>	\$2,327 50
Uncollected taxes, 1890, . . .	\$10 00	
“ 1891, . . .	97 76	
“ 1892, . . .	981 57	
“ 1893, . . .	4,694 05	
“ 1894, . . .	63,382 99	
	<hr/>	69,166 37
Water loan sinking fund, . . .		12,042 50
Cash on hand, . . . . .		4,900 03
		<hr/>
		\$88,436 40
Net debt more than assets available, .		424,185 15
		<hr/>
		\$512,621 55
Net debt, . . . . .		424,185 15
Water bonds, . . . . .	\$49,000 00	
Sewer bonds, . . . . .	75,000 00	
	<hr/>	324,000 00
		<hr/>
Net debt less water and sewer bonds, .		\$100,185 15

Respectfully submitted,

GEO. NEWHALL, *Treasurer*,

## GEORGE NEWHALL, Treasurer,

*In account with* WATER LOAN SINKING FUND COMMISSIONERS.

## DR.

Cash on hand, . . . . .	\$413 75	
Received from town of Melrose, sur- plus of 1893, . . . . .	7,221 55	
Received interest of four bonds from town of Melrose, . . . . .	160 00	
Received interest on treasurer's note from town of Melrose, . . . . .	288 86	
Dividends from Melrose savings bank, . . . . .	18 34	
	<hr/>	\$8,102 50

## CR.

By paid Boston Safe Deposit and Trust Co., box rent, . . . . .	\$10 00	
By paid Geo. Newhall, services as treas- urer, one year, ending June 1, '94, . . . . .	50 00	
Loaned town of Melrose, on treasurer's note, . . . . .	7,221 55	
Balance, . . . . .	820 95	
	<hr/>	\$8,102 50

# ASSESSORS' REPORT

FOR YEAR 1894.

No. of dwelling houses, . . . . .	2,583
“ inhabitants, . . . . .	10,847
“ military, 18 to 45, . . . . .	2,266
“ school children, 5 to 15, . . . . .	1,904
“ horses, . . . . .	638
“ cows, . . . . .	214
“ dogs, . . . . .	520
“ swine, . . . . .	504

## VALUATION.

### *Real Estate.*

Buildings, . . . . .	\$5,677,800 00	
Land, . . . . .	3,708,975 00	
	<hr/>	\$9,386,775 00
Personal estate, . . . . .	\$480,830 00	
Resident bank stock, . . . . .	57,268 00	
	<hr/>	\$538,098 00
Total valuation, . . . . .		\$9,924,873 00

Tax rate, \$14.20.

Tax assessed on real estate, . . . . .	\$133,292 20
“ “ personal estate, . . . . .	6,827 79
“ “ resident b'k st'k, . . . . .	813 21
“ “ 3.126 polls, . . . . .	6,252 00
	<hr/>
	\$147,185 20
Additional, . . . . .	325 81
	<hr/>
	\$147,511 01
Abatements, . . . . .	270 91
	<hr/>
	\$147,240 10

## APPROPRIATIONS FOR 1894.

*Town.*

Support of schools, . . .	\$47,000 00	
Highways, crossings and gutters, . . .	12,000 00	
Fire department, \$7,900 00,		
Hose carriage, 435 00,		
	<hr/>	8,335 00
Fire alarm, . . . . .	200 00	
Health department, . . . . .	1,500 00	
Interest, . . . . .	6,000 00	
Insurance, . . . . .	700 00	
Contingent, . . . . .	3,000 00	
Numbering buildings, . . . . .	50 00	
Police, . . . . .	7,800 00	
Poor, . . . . .	7,000 00	
Public library and dog tax, . . . . .	1,000 00	
Sidewalks, . . . . .	2,500 00	
Street lights, . . . . .	8,000 00	
Town Hall, . . . . .	600 00	
Military aid, . . . . .	200 00	
Soldiers' relief, . . . . .	750 00	
Parks, . . . . .	100 00	
Reduction of debt, . . . . .	5,000 00	
Deficiencies, interest, 1,096 70		
soldiers' relief, 44 86		
insurance, 28 38		
Town Hall, 97 63		
	<hr/>	1,267 57
Main street widening, . . . . .	1,500 00	
Cleveland street, . . . . .	1,000 00	
Salaries, . . . . .	5,150 00	
Use of water, hydrants, etc., . . . . .	3,000 00	
Memorial day, . . . . .	200 00	
	<hr/>	\$123,852 57
<i>Amount carried forward, . . . . .</i>		\$123,852 57

<i>Amount brought forward,</i>	.	.	.	\$123,852 57
State tax,	.	.	.	6,580 00
County tax,	.	.	.	7,195 97
Sewerage tax, interest,	.	.	2,506 42	
fund,	.	.	735 68	
maintainance,	.		799 80	
			<hr/>	\$4,041 90
Overlay,	.	.	.	5,514 76
				<hr/>
Amount of warrant to collector,				\$147,185 20

GEORGE C. STANTIAL,  
HENRY A. LEONARD,  
DEXTER PRATT,

Assessors for 1894.

## COLLECTOR'S REPORT.

---

### TAXES OF 1890.

Uncollected as per last report, . . . . .	\$18 00
Interest in 1894, . . . . .	72
	<hr/>
	\$18 72
Collected and paid treasurer, . . . . .	8 72
	<hr/>

Uncollected, . . . . .	\$10 00
------------------------	---------

### TAXES OF 1891.

Uncollected as per last report, . . . . .	\$149 92
Interest in 1894, . . . . .	2 04
	<hr/>
	\$151 96
Abated, . . . . .	1 58
	<hr/>

	\$150 38
Collected and paid treasurer, . . . . .	52 62
	<hr/>
Uncollected, . . . . .	\$97 76

### TAXES OF 1892.

Uncollected as per last report, . . . . .	\$1,735 48
Interest in 1894, . . . . .	173 24
	<hr/>
	\$1,908 72
Abated, . . . . .	4 75
	<hr/>

	\$1,903 97
Collected and paid treasurer, . . . . .	922 40
	<hr/>
Uncollected, . . . . .	\$981 57

## TAXES OF 1893.

Uncollected as per last report, . . . . .	\$61,684 02
Interest in 1894, . . . . .	2,111 81
Additional in 1894, . . . . .	61 24
	<hr/>
	\$63,857 07
Abated, . . . . .	373 63
	<hr/>
	\$63,483 44
Collected and paid treasurer, . . . . .	58,789 39
	<hr/>
	\$4,694 05

## TAXES OF 1894.

Amount of warrant, . . . . .	\$147,185 20
Additional, . . . . .	325 81
	<hr/>
	\$147,511 01
Abatements, . . . . .	270 91
	<hr/>
	\$147,240 10
Interest in 1894, . . . . .	139 29
	<hr/>
	\$147,379 39
Collected and paid treasurer, . . . . .	83,996 40
	<hr/>
Uncollected Jan. 1, 1895, . . . . .	\$63,382 99

ADDISON LANE,

*Collector.*



# Report of Inspector of Buildings.

---

MELROSE, Jan. 1, 1895.

*To the Honorable Board of Selectmen:*

I present the sixth annual report of this department. During the year 1894 building permits have been granted as follows :

In January,        4 as against 3 in 1893.

February,    1    "        2    "

March,        9    "        17    "

April,        32    "        16    "

May,          8    "        13    "

June,         19    "        12    "

July,          15    "        11    "

August,       22    "        8    "

September, 23    "        3    "

October,      20    "        3    "

November, 27    "        4    "

December, 17    "        4    "

—————        —————  
Total for 1894, 197    "    total 96    "

The several acts relating to the inspection of buildings should be incorporated in the new edition of the by-laws, so that builders and others may become more familiar with the requirements of the building laws.

Since the acceptance, in September last, of the new plumbing acts, the work performed under them has been very satisfactory, not only to the board but to the plumbers themselves.

DEXTER PRATT, *Inspector.*



REPORT  
OF THE  
BOARD OF ENGINEERS  
OF THE  
MELROSE FIRE DEPARTMENT,  
FOR THE  
YEAR ENDING DECEMBER 31, 1894.

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MELROSE:  
DUNTON & POTTER, PRINTERS, REPORTER OFFICE.

1895.



# Report of Engineers of Fire Department.

---

*To the Honorable Board of Selectmen :*

GENTLEMEN :—We herewith submit our annual report for the year ending December 31, 1894, giving in detail the force and apparatus, a record of fires and alarms which have occurred during the year, with losses and insurance of property as near as could be ascertained, and other information relating to its efficiency, with necessary recommendations. We also take pleasure in congratulating your honorable board and the citizens of Melrose on the continued small loss of property. Our present department has been prompt in its efficiency and has continued its past record.

## FORCE OF THE DEPARTMENT.

The force of the department consists of a chief engineer and two assistants, one engineman, one stoker, who is also relief engineman of steamer, two permanent drivers, fifteen hook and ladder men, and forty-eight hosemen.

## APPARATUS.

The apparatus of the department consists of one steam fire engine, one hook and ladder truck carrying 228 feet of ladders, one supply wagon, two hose wagons, carrying 1,000 feet of hose each, two four-wheel carriages carrying 650 feet of hose each.

## FIRE ALARM.

During the past year there have been added three new fire

alarm boxes, located as follows: box 29, corner Pleasant and Francis streets; Box 52, corner Highland avenue and Sargent street; box 61, Porter street near Linden, and an indicator in the steamer house, making three strikers, one gong, six tappers, twenty-five boxes, one indicator, twenty-five miles of wire. The system is very satisfactory.

#### HOSE.

There is now in use in the department, 5,500 feet of hose.

#### HOUSES.

The number of houses in the department is five, as follows; Central fire station on Main street, occupied by steamer and hose wagon; room under Masonic Hall, occupied by Hose 2; building on Franklin street, occupied by Hose 3; building on Foster street, occupied by Hose 4; room in basement of Town Hall, occupied by H. & L. Co., No. 1.

#### HORSES.

The number of horses is three, owned by the town, and are located in the Central fire station. There are five call horses for Hose 2, 3, and 4, and H. & L. Truck No. 1.

#### HYDRANTS.

There are at present two hundred and sixteen hydrants, nineteen having been added during the past year.

#### IMPROVEMENTS.

There has been added to the department one new hose wagon with swinging harnesses, and other improvements, located at the Highland hose house; three fire alarm boxes

in different parts of the town, also an indicator at the Centre house, and the hall of hose four's house has been finished.

## RECOMMENDATIONS.

We would recommend the purchase of 1,000 feet of new hose, the purchase of a pair of horses for the hook and ladder truck, one horse for the hose company at the Highlands, and that permanent drivers be employed for the same, also more fire alarm boxes to be located in different parts of the town.

## FIRES.

Our fire record for the past year has been one of success, owing to the efficiency of the department in responding. Small fires have been the result. Our losses have been small, and will compare favorably with any of the surrounding towns. A condensed statement will show value, insurance paid and losses as far as can be ascertained:

Total number of alarms for the year ending Dec. 31, 1894, 33; divided as follows:

False alarm, 1.

Call for assistance out of town, 1.

Alarms caused by interfering with wires, 1.

Fires at which hose was used, 23.

Fires at which no hose was used, 7.

19,250 feet of hose used.

Amount of property endangered, \$101,800.

Insurance upon the same, \$79,500.

Insurance paid upon the same, \$34,373.28.

Damage upon the same, \$42,354.99.

Total loss, \$7,981.71.

Jan. 26, 1894, box 32; buildings on Grove street; owned and occupied by Justus Geist; value of buildings and contents, \$4,800; insurance on buildings and contents, \$3,200;



insurance paid on buildings and contents, \$1,965; damage on buildings and contents, \$3,925; cause, caught from heater.

Feb. 4, 1894, box 41; building on Grove street; owned by F. R. Upham, occupied by H. E. Phinney; value of building and contents, \$1,000; insurance upon building and contents, \$200; insurance paid upon building and contents, unknown, damage upon buildings and contents, \$700.00; cause, unknown.

Feb. 24, box 45; house on Gooch street, owned and occupied by W. H. Mitchell; value of building and contents \$12,000; insurance upon building and contents \$8,000; insurance paid upon building and contents, \$7,700; damage, \$8,882.71; cause, defective flue.

Feb. 25; box 29; re-kindling of previous fire.

Feb. 25, box 54; house on Belmont street, owned by F. W. Hunt; occupied by Mrs. Crosby; value of building and contents, \$1,700; insurance upon building and contents, \$1,000; insurance paid on building and contents, \$28; damage, \$50; cause, thawing water pipes.

March 8, box 42; house on Folsom avenue, owned and occupied by Patrick Hallihan; value of building and contents, \$1,900; insurance upon building and contents, \$1,600; insurance paid upon building and contents, \$622.50; damage upon building and contents, \$625; cause, overheated stove.

March 11, box 48; house on Tremont street, owned and occupied by Henry Simmons; value of building and contents, \$1,900; insurance upon building and contents, \$1,300; insurance paid upon building and contents, \$41.50; damage, \$41.50; cause, caught on roof from brush fire.

March 14, box 57; house on Walton park, owned by C. W. Cook; value of building, \$4,000; insurance upon building, \$2,000; damage, none; cause, burning rubbish in fireplace.

March 27, box 45; house on Porter street; owned and occupied by E. H. Moore; value of buildings and contents, \$27,000; insurance upon buildings and contents, \$19,900; insurance paid upon buildings and contents, \$18,900; damage upon buildings and contents, \$22,200; cause, electric wires.

April 3, box 41; house on Main street; owned by Chas. Larrabee; occupied; damage, none; cause, drying wood in stove.

April 16, box 43; building on Main street; owned by J. J. McCullough; occupied by J. J. McCullough and G. Fish; value of building and contents, \$9,700; damage to building and contents, \$1,425; insurance upon building and contents, \$8,500; insurance paid upon building and contents, \$1,061; caused by pipe smoking.

April 16, box 42; house on First street; owned and occupied by F. A. Ryder; no loss.

April 26, box 49; brush fire on West Emerson street.

May 8, box 51; house and barn on Frost avenue; owned and occupied by Charles Hanson; value of buildings and contents, \$3,000; damage upon buildings and contents, \$1,900; insurance upon buildings and contents, \$2,500; insurance paid upon buildings and contents, \$1,900; caught from burning brush.

May 8, box 51; brush fire on Howard street.

May 14, box 57; house on Walton park; owned and occupied by J. Duff.

May 16, box 43; house on Vine street; owned by C. M. Oliver; occupied by J. W. Sanderson; value of building and contents, \$3,500; damage upon building and contents, \$856.50; insurance upon building and contents, \$3,000; insurance paid upon building and contents, \$856; cause, unknown.

May 16, house owned and occupied by N. Dyer ; value of building, \$3,500 ; damage upon building, \$165 ; insurance upon building, \$2,600 ; insurance paid upon building, \$165 ; caught from Oliver house adjoining.

June 8, box 32 ; false alarm ; caused by interfering with wires.

July 1, box 38 ; house on Tappan street, owned by J. A. Phillips, occupied by M. J. Coyne ; value of building and contents, \$1,800 ; damage on building and contents, \$50 ; insurance on building and contents, \$1,500 ; cause unknown.

July 4, box 54 ; building on Franklin street, occupied by G. W. Wyman ; cause, fire crackers ; damage, none.

July 5, box 43 ; house on Main street, owned by Geo. Fuller ; cause, spark on roof ; damage none.

July 13, box 28 ; brush fire off Spear street.

July 28, box 61 ; house on Linden street, owned and occupied by Thomas Maroney ; value of building and contents, \$1,400 ; damage upon building and contents, \$40 ; Insurance upon building and contents, \$1,000 ; insurance paid upon building and contents, \$40 ; cause, children playing with matches.

Aug. 1, box 48 ; house on Emerson street, owned and occupied by Lewis Fernald ; value of buildings and contents, \$6,000 ; damage to buildings and contents, \$306.28 ; insurance upon buildings and contents, \$5,000 ; insurance paid upon buildings and contents, \$306.28 ; cause, kerosene stove explosion.

Aug. 4, box 46 ; false alarm.

Sept. 15, call for assistance from Stoneham ; caused by a fire at the Langwood.

Oct. 6, box 42 ; buildings on Hunnewell street ; owned and occupied by Fred Hyatt ; value of buildings and contents, \$1,500 ; damage upon buildings and contents, \$25 ;

insurance upon buildings and contents, \$1,000; insurance paid upon buildings and contents, \$25; overheated stove.

Nov. 6, box 46; false alarm; caused by burning tar barrels.

Nov. 30, box 37; house on Herbert street; owned by E.F. Knight; occupied by John Gately; value of building and contents, \$1,800; damage to building and contents, \$150; insurance upon building and contents, \$1,200; insurance paid upon building and contents, \$150; cause, thawing water pipe.

Dec. 4, box 51; building corner Main and Franklin streets; value of building and contents, \$5,000; damage upon building and contents, \$45; insurance upon building and contents, \$4,000; insurance paid upon building and contents, \$45; cause, boiling tar on roof.

Dec. 4, box 32; house on Grove street; owned and occupied by F. A. Coburn; value of building and contents, \$4,000; damage to building and contents, \$918; insurance on building and contents, \$3,000; insurance paid on building and contents, \$918; cause, defective flue.

Dec. 8, box 48; building on Emerson street; owned by Jonathan Barrett; occupied by T. E. Jeffrey; value of building and contents, \$8,000; damage to building and contents, \$50; insurance on building and contents, \$7,000; insurance paid on building and contents, \$50.00; cause, gas explosion.

## OFFICERS AND MEMBERS.

## ENGINEERS.

A. Wilbur Lynde, Chief.

Albon W. Parker, 1st Asst.

Samuel Lear, Clerk.

## STEAMER CO. NO. 1.

Captain, J. M. Holbrook.

Lieutenant, J. W. Emerson.

Clerk, W. C. Sargent.

## Hosemen.

T. B. Smith,

G. E. Burnham.

T. J. Hawkes.

C. F. Woodward.

T. B. Stantial.

D. H. Woodward.

A. L. Upham.

C. N. Shute.

Engineman, J. H. Edwards. Stoker, C. F. Edwards.

## Drivers.

Stephen Bartlett.

D. T. Stockwell.

## HOSE CO. NO. 2.

Captain, J. R. Gibbons.

Lieutenant, R. Gibbons, Jr.,

Clerk, H. W. Simpson.

Stewart, R. Gibbons, Jr.,

## Hosemen.

W. F. Phipps.

C. B. Thompson.

P. Buchanan.

J. R. Hamlin.

W. M. Cotting.

C. F. Doherty.

## HOSE CO. NO. 3.

Captain, Albert Walton.

Lieutenant, Theron Porter.

Clerk, Albert E. Day.

Stewart, Leverett D. Newhall.

## Hosemen.

Arthur Storey.

John C. Black.

Huestis E. Adams.

Joseph Hebblethwaite.

Frank E. Morton.

## HOSE CO. NO. 4.

Captain, A. J. Burnett.	Lieutenant, E. McKinnon,
Clerk, E. M. Russell.	Steward, C. J. Critchett.

## Hosemen.

Dennis Carlin.	Geo. Russell.
Frank Johnson.	Wm. Carney.
Fred Churchill.	

## HOOK AND LADDER CO. NO. 1.

Captain, Joseph Edwards.	Lieutenant, D. O. Parker.
Clerk, D. W. Wiswell.	Steward, W. A. Lynde.

## Laddermen,

C. S. Gordon.	W. C. Johnson.
W. H. Stewart.	R. Whidden.
T. B. Johnson.	Harry S. Robertson.
J. Tyzzer.	Daniel Gibson.
F. H. Tyzzer.	Thomas Kelly.

*Labor performed on the Highway by the Fire Department.*

Labor performed by the Fire Department horses and drivers :

111 days sprinkling streets, two horses and man.  
 10 days sprinkling streets, one horse and man.  
 19 days ploughing sidewalks and gutters, one horse and man.  
 5 days ploughing gutters, two horses and two men.

## APPROPRIATIONS.

We would recommend the appropriation of eight thousand (\$8,000) dollars for the ensuing year.

A. W. LYNDE,  
 ALBON W. PARKER,  
 SAMUEL LEAR,

Board of Engineers.





# REPORT

OF THE

# BOARD OF HEALTH

FOR THE

YEAR ENDING DECEMBER 31, 1894.

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MELROSE:

DUNTON & POTTER, PRINTERS, REPORTER OFFICE,

1895.



## REPORT OF THE BOARD OF HEALTH.

---

The fifth annual report of the board of health is herewith presented to the citizens of Melrose. The membership of the board was changed at the beginning of the year : Dr. Dike having resigned, Dr. E. L. Warren was chosen at the town meeting, to fill his place. At the first regular meeting of the board Dr. Sanborn was chosen chairman and Dr. Warren secretary.

There has been no lack of calls to active sanitary duty during the year past. The steady and rapid increase in our population and in the number of dwelling houses erected in town, involves a corresponding increase in the range and the frequency of the summons for our attention. The correction of evils arising from overflowing cesspools and defective drains, constitutes, as heretofore, quite the larger part of our labors. These evil conditions are, like the poor, always with us, and seem, apparently, about as easily eliminated. In regard to this constant and annoying danger, the price of sanitary purity is, like that of liberty, eternal vigilance.

The prevalence of contagious diseases has, as usual, been a constant source of care and anxiety. If an ideal quarantine could be maintained in every infected house, with the cordial co-operation of the family concerned, the danger of spreading the disease would be far less, and the safety of the community far greater. But, strangely enough, some of the families involved have seemed quite indifferent as to the spread of the disease, and it has at times been very

difficult for the board to compel compliance with the laws. One form of violation of the law has been the concealment of contagious diseases, when the mildness of the case, or other conditions have made concealment possible. This dangerous procedure seemed so serious, that the board printed and circulated throughout the town the following notice.

### IMPORTANT NOTICE.

---

It has become known to the board of health that in some families where contagious diseases have occurred, the householder, not employing a physician, has been guilty of the criminal offence of neglecting to notify the board of the occurrence of these diseases. Therefore the following extract from the Statutes is published for the information of all.

PUB. STAT. 80, Sect. 78. "When a householder knows that a person within his family or house is sick of small pox, diphtheria, scarlet fever or any other contagious disease dangerous to the public health, he shall immediately give notice thereof to the board of health of the city or town in which he dwells. . . . Any person neglecting or refusing to comply with the above provisions, shall be punished by a fine not exceeding one hundred dollars."

By order of the

BOARD OF HEALTH.

Melrose, Mass., March 20, 1894.

Another important element in the spread of contagious disease is, in case of an infected household, the frequent and exasperating indifference with which the residents of

the house mingle with the neighbors and the community. Cases came under our observation where members of a sick family would stroll leisurely from the sick room directly to the stores, mingling with the people there and along the streets. So serious and notorious had become this wanton neglect in so important a matter, that the board had a large number of circulars printed, of which the following is a copy, one or more of which was taken to every infected house, by the officer who posted the card.

OFFICE OF THE BOARD OF HEALTH,  
MELROSE, May, 1894.

*To The Householder :*

During the present sickness in your house your children are not allowed to attend school till a certificate is given by your physician. Children and other members of the family are not to mingle with other persons, unless *absolutely* necessary, and then only under precautions given by your physician. No visitors must be allowed, and every care must be used not to spread the disease. Any violation of these rules involves a severe penalty.

At the close of this sickness, the law requires that the infected rooms and objects be thoroughly fumigated. This will be done at the proper time under the control of the board of health.

By order of the

BOARD OF HEALTH.

The amount of sickness from contagious diseases during the past year, 121, was notably less than during the previous year, 205. The contagious diseases reported during the year were as follows :

	Scarlet.	Diph.	Measels.	Typhoid.	Total.
January,.....	2.....	5.....	2.....		9
February, .....	4.....		1.....		5
March,.....	11.....	1.....	1.....	( 1 Varioloid )	14
April,.....	5.....	1.....	4.....		10
May,.....	1.....	8.....	17.....	3 .....	29
June .....	4.....	7.....	6.....	2 .....	19
July,.....		7.....		1 .....	8
August,.....		1.....	1.....	6 .....	8
September,.....	1.....	1.....		6 .....	8
October, .....	1.....			3 .....	4
November, .....	2.....		1.....	1 .....	4
December, .....	1.....			1 .....	2
Total,.....	32	31	33	23	121

The new law regarding plumbing has added largely to the labors of the chairman of the board, but has almost extinguished the hazard of incompetent and dangerous plumbing, and now gives the guarantee of intelligent authority that the plumbing done is well done, and in accord with sanitary conditions. The requirements of the new law were put into effect September 1st. The board has with some difficulty succeeded in retaining for another year the valuable services of Mr. Edmund L. Grundy in the important office of inspector of plumbing.

In response to the call, all the plumbers in town, both master and journeymen, appeared before the board and took the required licenses, either by registration or examination. By this law every plumber, before he can begin a job, must

obtain a permit of the board of health, and when the job is sufficiently advanced he notifies the inspector, who thoroughly water-tests it, and when the work is completed examines it again ; every job being thus examined twice, before it is approved in writing by the inspector. If the work falls in any respect short of the requirements of our Rules and Regulations, the inspector requires that it be made thoroughly correct and safe, before he approves it. The present number of master plumbers is nine and of journeymen twenty-one.

Number of permits granted to do plumbing, 75.

Number of jobs tested and finished, 37.

Number of jobs tested but not yet finished, 18.

Number of jobs not as yet tested, 20.

Number of visits made by inspector, 104.

Our plumbers have, as a body, responded promptly, and very creditably, to the requirements of the new law, which thus gives gratifying assurances of a new era of sanitary security.

Mr. J. O. Elms, the former contractor for the removal of swill and garbage, having died last year, a short time before the close of his yearly contract, it became necessary to employ a new collector. In response to the call for bids, a new contract was made on the first day of July with Mr. Thos. R. Higgins, who has been long familiar with the business here, and is doing the work in a very satisfactory manner.

The progress of the great sewer has been watched with deep interest by our citizens, as it offers much needed relief to the crowded central district of the town. As the prospect is that the portion completed will probably be ready for use this spring, it would seem that some official action is desirable regarding the obligation of abutters to connect with it.



The table of mortality for the past year is as follows :

Phthisis, . . . . .	20	Cystitis, . . . . .	1
Chronic diarrhœa, . . . . .	1	Cholera morbus, . . . . .	1
Senile gangrene, . . . . .	1	Bright's disease, . . . . .	3
Paralysis, . . . . .	6	Infantile paralysis, . . . . .	1
Diseases of heart, . . . . .	26	Dysentery, . . . . .	1
Still born, . . . . .	13	Hydrocephalus, . . . . .	1
Nervous prostration, . . . . .	4	Convulsions, . . . . .	4
Apoplexy, . . . . .	1	Shock, . . . . .	2
Cancer, . . . . .	9	Purpura hemorrhagica, . . . . .	1
Meningitis, . . . . .	10	Ulcerative endocarditis, . . . . .	1
Old age, . . . . .	8	Bronchitis, . . . . .	6
Spinal disease, . . . . .	1	Pneumonia, . . . . .	10
Asphyxia, . . . . .	1	Tubercular laryngitis, . . . . .	1
Typhoid fever, . . . . .	5	Malaria, . . . . .	1
Diphtheria, . . . . .	10	Malignant dis. of throat, . . . . .	1
Senile debility, . . . . .	2	General debility, . . . . .	1
Stoppage of bowels, . . . . .	3	Hooping cough, . . . . .	2
Marasmus, . . . . .	4	Pluero pneumonia, . . . . .	1
Injury, . . . . .	1	Lead colic, . . . . .	1
Pleurisy, . . . . .	1	Catarrhal meningitis, . . . . .	1
Natural causes, . . . . .	2	Enteritis, . . . . .	1
Unknown cause, . . . . .	2	Acute hepatitis, . . . . .	1
Cholera infantum, . . . . .	6	Railroad accident, . . . . .	1
Scarlet fever, . . . . .	1	Membranous croup, . . . . .	1
Septic peritonitis, . . . . .	1	Masteoid abscess, . . . . .	1
Disease of kidney, . . . . .	1	Asthma, . . . . .	1
Peritonitis, . . . . .	1		
Burns, . . . . .	2	Total, . . . . .	190

This amount is somewhat larger than our past average, but not more than is fairly due to our larger population, which increases at the rate of about 1,000 a year.

Diphtheria continues to be a destructive disease with us. During the last five years the number of reported cases has been 133, with 24 deaths. It is a matter of devout gratitude

that we have good reason to expect from the new remedy, anti-toxine, better results than have ever yet been obtained, happily serving as a preventive, as well as a cure.

Respectfully submitted,

JOHN E. SANBORN, M. D.

FRANK L. WASHBURN.

EPHRAIM L. WARREN, M. D.

## REPORT OF OVERSEERS OF POOR.

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In disbursing aid during the past year, we have followed the same method as in previous years, and which is in use in most places in the Commonwealth, where, like Melrose, they have no almshouse ; one of which is a city of over fifty thousand inhabitants, who claim that they find an economy under this system which has always determined their course of action against the erection and support of an institution of their own.

Our method is to give orders on trusted grocers and provision dealers, for one, two, or three dollars a week, to families, as they may require. Each order is restricted to seventeen staples, of good quality, from which they may suit themselves in their selections to the amount of the order. The overseers reserve the right to prohibit extravagance in any one direction when making their purchases from the list of goods. We deviate from this list, only in cases of sickness, or in the feebleness of declining age.

We aim to render assistance in such a way that the applicants may not lose their self reliance, or hope of being self-supporting, when by a little aid they may be placed in a position to help themselves. To this end we have sometimes suggested to the Associated Charities, the wisdom of their assisting those who manifest such a desire, in order to save them from coming to the town for aid. The Associated Charities has provided for several of our applicants, whose need promised to be but temporary, and in their parts of the town their agents have relieved from private sources,

those who came to us for the first time. A number of our beneficiaries are residing in other towns and cities, and were relieved by the overseers of poor of their place of residence, the aid rendered being refunded by us.

A large number of those we have aided have their settlements in other cities and towns for which we are to be reimbursed. Families are sometimes forced upon us by the intemperate habits of the parents, when the father, being imprisoned for drunkenness, battery, or non-support of his family, we are compelled to aid his helpless children while he is held for his crimes. We have one family of this class, at the present writing of this report.

While we desire to respond to the calls of humanity upon us, we confess to not a little relief from our perplexity in *such* cases, when we are compelled to do it by law. We visit our beneficiaries in other cities and towns, from time to time, that we may know their condition and needs, and when necessary, advise as to the best means of relieving them.

No exact estimate can be made of the amount required to defray the expenditures of this department, which depends entirely on the condition of the people. For instance, the past year the number of applicants is thirty-four in excess of the previous year.

Two hundred and eleven persons have been more or less aided within the year. This includes the children of forty-eight families, also thirty single persons. Fifty-six persons have been on the full support list at some time within the year. Of the whole number, sixty-three persons have their settlements in other towns and cities, or who belong to the state poor department. There are fifteen acknowledged cases of the insane at the state hospitals, at an expense of \$3.25 per week. It is with regret that we have to report a

steady increase of these unfortunates. All applications for assistance have been carefully investigated at the homes of the applicant.

For the receipts and expenditures, your attention is called to the columns assigned by the auditor for his report of this department.

H. G. FIELDS,

T. W. RIPLEY,

M. D. BALE,

Overseers of the Poor.

# REPORT OF CHIEF OF POLICE.

MELROSE, Dec. 31, 1894.

*To the Honorable Board of Selectmen:*

GENTLEMEN:—I have the honor to submit my annual report for the year ending December 31st, 1894.

During the past year the following amounts have been collected for fines, and after deducting expenses of court, turned over to the town treasurer.

From the First District Court, . . . .	\$424 00
“ House of Correction, . . . .	80 00
	<hr/>
	\$504 00

*Causes for arrest and cases brought before the Court,  
for the year 1894.*

Assault, . . . . .	13
Adultery, . . . . .	1
Attempt to break and enter, . . . . .	1
Breaking and entering, . . . . .	2
Bastardy, . . . . .	3
Cruelty to animals, . . . . .	1
Carrying concealed weapons, . . . . .	1
Drunkenness, . . . . .	99
Disturbing the peace, . . . . .	4
Dog licenses (not paid), . . . . .	8
Default warrants, . . . . .	2
Evading car fare, . . . . .	1
Fornication, . . . . .	1
Interfering with an officer, . . . . .	1
Keeping and exposing, . . . . .	2
Larceny, . . . . .	11
Lewd and lascivious conduct, . . . . .	2

Malicious mischief, . . . . .	2
Obtaining money under false pretences, . . . . .	1
Riding on sidewalk, . . . . .	5
Search warrants, . . . . .	13
Truancy, . . . . .	2
Threats, . . . . .	2
Vagrants, . . . . .	3
Arrested for out of town officers, . . . . .	4
Cases investigated, . . . . .	89
Board of health notices posted, . . . . .	118
Disturbances suppressed, . . . . .	28
Doors found unlocked, . . . . .	28
Dogs killed, . . . . .	11
Defects in sidewalks reported, . . . . .	9
Defects in streets reported, . . . . .	34
Arc lights reported out, . . . . .	16
Incandescent lights reported out, . . . . .	244
Fire alarms given, . . . . .	4
Fires extinguished without an alarm, . . . . .	3
Leaks in water pipes reported . . . . .	44
Lanterns hung in dangerous places, . . . . .	45
Lost children taken home, . . . . .	11
Stray teams put up, . . . . .	8
Truants put into school, . . . . .	13
Notices delivered, . . . . .	75
Insane committed, . . . . .	4
Wires reported down, . . . . .	11
Persons assisted home, . . . . .	2
Lodgers accommodated, . . . . .	1,601

The department consists of the same number of officers as last year and no complaint having been received from our citizens as to any lack of proper police protection, I do not deem it necessary to advise a further increase in the force for

the ensuing year. The appropriation together with receipts from other sources have been sufficient to maintain the department, and enable us to add thereto one horse and pung, together with other necessary permanent furnishings. I desire at this time to call your attention to the necessity of having a patrol wagon such as can be used either for the conveyance of prisoners, or as an ambulance for the use of the sick and injured. This in connection with our hospital service seems to be demanded. Such a combination wagon can be purchased for three hundred dollars, and its immediate need is made obvious from the fact that during the past season we have responded to some fifty calls in this direction, largely in the night time, and from officers and citizens in the more remote sections of the town. Considering the large number of men employed upon our sewers, and the fact we have furnished lodgings for more than sixteen hundred strangers during the past year, we have had but very few additional disturbances to suppress beyond that of former years. We have also been very free from attempts at breaking and entering during the night time. In two instances, parties were captured in the act, attesting the fact that our officers are vigilant and attending to their duties. A detailed statement of the work done by the department accompanies this report. This gives however but little insight into the real amount of work required and accomplished by the department in maintaining the good record Melrose has as an orderly and desirable residential town. To you honorable board, and to the honorable justices and officers of the First District Court, and the officers of the department, my thanks are extended for courtesies received and assistance rendered.

Respectfully submitted,

FRANK M. McLAUGHLIN,

Chief.



## Report of Superintendent of Streets.

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*To the Honorable Board of Selectmen:*

GENTLEMEN:—In answer to your request I respectfully submit the following report of the distribution of expense for the year ending December 31, 1894.

### LABOR.

#### *Accounted for by Highway Pay Rolls.*

Beech avenue, . . . . .	\$175 00
Beverly street, . . . . .	50 00
Breaking stone at crusher, . . . . .	1,000 00
Ell pond brook, . . . . .	100 00
Emerson street, east, . . . . .	75 00
First street, . . . . .	50 00
Foster street, east, . . . . .	400 00
General repairs, . . . . .	2,028 70
Greenwood street, . . . . .	50 00
Grove street, . . . . .	275 00
Hillside avenue, . . . . .	47 00
Larrabee street, . . . . .	250 00
Lebanon street, . . . . .	534 87
Linwood avenue, . . . . .	250 00
Main street, . . . . .	100 00
Melrose street, . . . . .	50 00
Orient avenue, . . . . .	125 00
Perkins street, . . . . .	75 00
Pleasant street, . . . . .	400 00
Porter street, . . . . .	49 00
<i>Amount carried forward, . . . . .</i>	<u>\$6,084 57</u>

<i>Amount brought forward,</i>	.	.	.	.	\$6,084 57
Prospect street,	.	.	.	.	550 00
Sanford street,	.	.	.	.	25 00
Sargent street,	.	.	.	.	200 00
Removing snow,	.	.	.	.	515 70
Walton park,	.	.	.	.	350 00
Washington street,	.	.	.	.	675 00
Whittier street,	.	.	.	.	25 00
Wyoming avenue,	.	.	.	.	150 00
Total amount of pay rolls,	.	.	.	.	<u>\$8,575 27</u>

*Concrete Crossings.*

Foster st. at Sixth and Larrabee,	49.8 sq. yds. at 50c.	\$24 90
Green st. at Linden,	19. " "	9 50
Green st. at Rowe,	20.94 " "	10 47
Grove st. at Larrabee,	21.3 " "	10 66
Vinton st. at North High,	20.33 " "	10 16
Howard st.,	50.5 " "	25 25
Franklin st., at Chipman ave.	36. " "	18 00
Gooch st. at Foster,	23.1 " "	11 55
	<u>240.97</u>	<u>\$120 49</u>

*Concrete Gutters.*

Grove st. at Gooch,	24.4 sq. yds. at 50c.	\$12 20
Green st. at Rowe,	3. " "	1 50
Melrose and Ashland sts.,	83.5 " "	41 75
Upham st.,	24.9 " "	12 45
Belmont st.,	106.48 " "	53 24
Walton park,	19.98 " "	9 99
Otis st.,	15.2 " "	7 60
Wyoming ave. at Summer st.	40.4 " "	20 20
Main and Lebanon sts.	18.4 " "	9 20
	<u>336.26</u>	<u>\$168 13</u>

*Summary of Bills Paid.*

Blacksmithing, etc., . . . . .	\$278 40
Coal and wood for crusher and roller, . . . . .	309 42
Catch basin covers, . . . . .	120 00
Crusher, repairs and supplies, . . . . .	143 17
Drain pipe, . . . . .	309 97
Dynomite, etc., . . . . .	77 10
Gravel, . . . . .	391 60
Lumber, . . . . .	190 85
Miscellaneous, . . . . .	444 57
Roller, repairs and supplies, . . . . .	65 41
Removing snow, . . . . .	261 85
Superintendence, . . . . .	916 67
Tools, . . . . .	248 69
Watering streets, . . . . .	150 00
<hr/>	
Total, . . . . .	\$3,907 70

*Recapitulation.*

Total amount of pay rolls, . . . . .	\$8,575 27
“ “ for concrete crossings, . . . . .	120 40
“ “ for concrete gutters, . . . . .	168 13
“ “ of bills paid, . . . . .	3,907 70
<hr/>	
	\$12,771 59
Amount of highway appropriation and balance, . . . . .	\$12,269 98
Amount of highway receipts, . . . . .	512 25
<hr/>	
	\$12,782 23
Total amount paid out, . . . . .	12,771 59
<hr/>	
Balance, . . . . .	\$10 64

NOTE.—A detailed statement of these bills can be seen in the Auditor's report.

*Drainage.*

Beech ave., 500 ft. 12 in. pipe, 150 ft. 10 in. pipe, 2 catch basins.

Pleasant street, 30 ft. 10 in. pipe, 2 catch basins.

Porter street, 300 ft. 8 in. pipe, 2 catch basins.

Prospect street, 35 ft. 8 in. pipe, 1 catch basin.

Grove street, 75 ft. 6 in. pipe, 2 catch basins.

Sanford and Whittier streets, 200 ft. 8 in. pipe, 3 catch basins.

Sargent street, 950 ft. 12 in. pipe, 2 catch basins.

Tappan street, 1 catch basin.

Washington street, 30 ft. 10 in. pipe.

Walton park, 36 ft. 8 in. pipe.

*Bridges.*

The bridge over Spot pond brook at Pleasant and Whittier streets has been recovered.

*Snow.*

The amount expended for plowing sidewalks, removing deep snow and sanding sidewalks, was as follows :

Labor, per pay roll,	.	.	.	.	.	.	.	\$515 70
Labor done by outside parties,	.	.	.	.	.	.	.	261 85
Total,	.	.	.	.	.	.	.	<hr/> \$777 55

*Special Appropriations.*

See auditor's report in regard to Perkins street, Main street widening, and concrete sidewalks.

W. B. ELLIS,

*Superintendent of Streets.*



ANNUAL REPORT  
OF THE  
SCHOOL COMMITTEE  
AND THE  
SUPERINTENDENT OF SCHOOLS,  
OF THE  
TOWN OF MELROSE,  
FOR THE  
YEAR ENDING DECEMBER 31, 1894.

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MELROSE:  
DUNTON & POTTER, PRINTERS, REPORTER OFFICE.  
1895.

## SCHOOL COMMITTEE.

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JOHN O. NORRIS, Chairman,	.	.	Term expires	1896
MRS. GEORGE H. DEARBORN,	.	.	" "	1896
MRS. GEORGE F. MACDONALD,	.	.	" "	1895
MR. WM. D. STEWART.	.	.	" "	1895
MRS. WM. H. FLANDERS,	.	.	" "	1897
DR. JOHN DIKE,	.	.	" "	1897

*Superintendent of Schools and Secretary  
of Committee.*

B. F. ROBINSON.

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## SUB-COMMITTEES.

### *On Accounts.*

MR. STEWART.  
MR. NORRIS,  
MRS. DEARBORN.

### *Highlands.*

MRS. MACDONALD.  
MR. STEWART.  
MRS. FLANDERS.

### *On High School.*

MR. NORRIS.  
MRS. DEARBORN.  
MRS. MACDONALD.  
MR. STEWART,  
MRS. FLANDERS.  
DR. DIKE.

### *Centre.*

DR. DIKE.  
MRS. FLANDERS.  
MRS. MACDONALD.

### *Wyoming.*

MRS. DEARBORN.  
DR. DIKE.  
MR. NORRIS.

### *On Text Books and Course of Study.*

MR. NORRIS.                      MRS. MACDONALD.                      DR. DIKE.

# SUPERINTENDENT'S REPORT.

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*To the School Committee of Melrose :*

LADIES AND GENTLEMEN:—The following is respectfully submitted as the fifth annual report of the superintendent of schools,

## SCHOOL ATTENDANCE.

A reference to the tabular statement which appears on the last page of this report will show that the population of Melrose is steadily increasing, for the school population is as good an indicator as can be had. The number attending our schools since the year opened in September last, to the end of the year was 2086, against 1936, last year.

This increase has been largely in the lower grades, as the numbers in the high school, and the higher grades of the grammar schools, are about the same as one year ago.

## TEACHERS.

Several changes have been found necessary during the year. The seventh and eighth grades at the Highlands, which, until the end of the June term, were both in charge of Miss Mendum, have been separated and each has a teacher by itself. Miss Mendum remains at the head of the Warren street school as teacher of the eighth grade, and Miss Mitchell, who formerly taught the sixth grade, was advanced to the seventh grade. This change was necessary



on account of the increase of pupils in these grades, it being impossible for one teacher to longer do the work of both grades satisfactorily. During the year Miss Mitchell was absent from her school for several months, leave of absence being granted by the committee, and her place was temporarily filled by Miss Sara G. Smith. The fifth grade was moved from the Franklin building to the Warren street school the last part of last year, and remained in charge of Miss Guptill until the end of the June term when Miss Guptill was placed in charge of the sixth grade, and Miss Harriet H. Dowe was elected teacher of the fifth grade.

The separation of the seventh and eighth grades at the Warren street building made it necessary to move the school made up of the first, second and third grades from this building to the old West school house, and Miss Plummer, who had taught the school for several years, having resigned, Miss Ruth Knowles was elected to fill the vacancy. The moving of Miss Guptill's school from the Franklin street school made it necessary to elect a new principal of that building, and Miss Davies, teacher of the fourth grade, was accordingly placed in charge. The first and second grades at the Franklin street building under Miss Field was so crowded at the opening of the September term that it was necessary to employ another teacher, or to divide the second grade and transfer a part of them to Miss Tupper's room, and as a matter of economy the latter course was pursued, but it is probable that another school will have to be established in March, when new pupils are allowed to enter. Miss Mary I. Coggeshall was transferred from the Centre school to Upham hill, and placed in charge of the building as teacher of the sixth and seventh grades.

For several months during the spring the number of scholars in Miss Coyle's room was so large that she found it impossible to take care of them properly, and Miss Loring

was chosen as her assistant and remained with her until the close of the school year.

It being uncertain whether the services of an assistant would be needed for the September term she was not re-elected in June.

Early in October, it became necessary to again employ an assistant to Miss Coyle, and Miss Loring having secured a position elsewhere, Miss Grace Rhodes was elected to the position.

Miss Gertrude Stewart was elected to the second grade at the Centre school, made vacant by the transfer of Miss Coggeshall.

Miss Annie G. Smith was placed in charge of the seventh grade established at the D. W. Gooch school at the opening of the year in September, and Miss Alice Long and Miss Call were advanced from the fifth and fourth grades, to the sixth and fifth grades respectively.

To fill Miss Call's place in the fourth grade, Mrs. Mary R. Clark, a teacher of experience in Greenfield, Mass., was chosen. Miss Arline Merrill was elected to one of the first grade schools in this building, in place of Miss Taylor, who went elsewhere.

Miss Rosamond Heath resigned as teacher of the Lynde street, first grade, and Miss Clara D. Bishop was elected to that position.

This constitutes the changes and transfers made during the year in the lower grades, and it is hoped that fewer changes will be necessary during the current year.

Miss Clarimond Mansfield resigned her position as teacher of German and Greek in the high school, in June, after ten years of faithful service, which made it necessary to select her successor, and after much looking about the committee chose Miss Clara B. Mowry to succeed her. An additional teacher was considered a necessity, and it was finally de-

cided to elect one, Mr. Howard D. Barrows being the choice of the committee.

Both of these teachers are doing excellent work in their special departments, Mr. Barrows having the Greek and Miss Mowry the German, both also assisting in such other work as is assigned them. A different atmosphere seems to pervade the high school, and more honest hard work is being done therein than has been for some time previously. This change is, I believe, attributable to several causes. In the first place, there were in the school a year ago, some disturbing elements that have since been removed, so that at present most of the scholars attending the school are there for work, and are trying to do it well. Again some of the teachers had felt that they were not heartily seconded in their efforts to bring the scholarship of the school up to a high standard, but the action of the committee and parents sustaining their judgment at the beginning of the present year, as to what scholars should be promoted, gave them new courage, and they each and every one entered into their work with renewed vigor.

The addition of another teacher to the corps of instructors has made it possible for Mr. Whitman, the principal, to devote some of his time to a general supervision of the work of the school in all its departments, and this has had a wholesome effect.

I think it but just to the scholars and teachers to say that there is a very noticeable improvement in the work being done, which cannot fail to be apparent to all who visit the school.

#### SCHOOL HOUSES.

Right here let me say, that two large Andrews globes were presented to the D.W. Gooch school early last year by

Mrs. D. W. Gooch, receipt of which was acknowledged by the school committee. They are very handsome and valuable pieces of school apparatus, which both the pupils and teacher appreciate highly, and they cannot fail to be of great value to the pupils in their work.

At the time of making the last annual report there was one vacant room in the D. W. Gooch school and one in the Warren street building. These have both been filled and a school of nearly fifty scholars transferred to the old, once abandoned West school, near the Highlands station. This leaves no vacant rooms in either of these buildings, and the only vacant room in any of the large buildings in town is one at the Franklin street school, which is temporarily vacant, but which will probably have to be used after the March term begins.

The lower grades at Upham Hill are very much crowded ; the first grade in charge of Miss Coyle having seventy scholars therein, while the second and third grades of Miss Lawrence opened the year with sixty, and in the two next higher grades under Miss Chadbourne there are forty-eight pupils. All of the rooms at the Grove street school are full and an over-flow school, first grade, has been established in the old Lynde street building. Some additional accommodations for scholars in the south-eastern part of the town, between Upham Hill and Grove street, seems an absolute necessity this season, and we would recommend the construction of a four-room building there.

#### SWAIN'S POND.

At the Ripley school very little change has taken place in conditions during the year except that there are fifty per cent. more pupils than one year ago, and there are, besides, thirty scholars attending the schools in Malden, for whom the sum of (\$750) seven hundred and fifty dollars is paid in tuition.

## HIGH SCHOOL.

As to the condition of things at the high school, little more can be said than was said in our last report. The number of scholars is nearly the same as at that time, and existing conditions about the same, except that with an additional teacher more recitation rooms are necessary, and in this respect the school has been lacking for a long time.

The first and second classes sit in Mr. Whitman's room, the large room in the third story, and there is plenty of room for them as there are but sixty-nine pupils in these classes at present. The third class numbers seventy-seven and is crowded into one half of the second story, where Miss Ballou's room is located, the other half being occupied by the physical and chemical laboratories.

In Miss Fairbanks' room, which is located in the east end of the first story, the fourth class sits and the floor space is pretty well covered, as there are eighty-five in the class at the present time. The other half of the floor is used for a recitation room. On Monday and Wednesday of each week Mr. Carter teaches drawing in the school during the entire session, and this lower room in the west end of the building is used for his classes, making it necessary for the eight teachers in the school to accommodate themselves and hear their classes as best they can in the three sitting rooms, the laboratory and two small recitation rooms, and a small room originally intended for a coat room for the teachers. The result is that two recitations have to be conducted at the same time in the upper room, making it very difficult for the scholars to give their undivided attention to their work, however well disposed they may be, and requiring extra exertion and tact on the part of the teachers in conducting their recitations.

The two small recitation rooms are very much crowded,



in fact overcrowded, so that when mathematical recitations are conducted therein requiring blackboard, the scholars have not sufficient room to work properly. The laboratory is altogether too small for laboratory work proper, and Mr. Small finds it almost impossible to arrange his classes, so few can be accommodated at one time, yet in addition to the laboratory work done therein it is used regularly for a recitation room.

Three days in the week the large room on the first floor is not used for drawing purposes, and is devoted to recitation work, but during the other two days the classes which regularly recite here, are sandwiched in wherever it is possible to find room for them.

The side room that it is found necessary to use for a recitation room, is about ten feet square, and yet into this space are crowded from five to twenty pupils, and there they sit during a recitation period with only such ventilation as is afforded by the doors and windows, which is poor at best. If every parent and friend of the pupils in the high school could visit them and see how they are accommodated they would wonder that the results are as satisfactory as they are. The town of Melrose certainly needs a new high school building and needs it badly.

If it should prove to be the judgment of the voters of the town that it was a wise policy to build a new high school building at once, and one was built to accommodate five hundred or more pupils, there would be no immediate need of other buildings, as the extra space in such a building as well as the old high school building, could be occupied by some of the grammar grades and the schools in the Lynde street, Green street, and the old Franklin street buildings could be transferred to some of the rooms thus made vacant. Unless this is done, it would seem that something should be

done to obviate the necessity of keeping the schools in any one of these three buildings, as they have all been abandoned once and should never have been reoccupied for school purposes. The parents of the scholars who are obliged to attend these schools are beginning to protest, some of them quite vigorously, and we believe they are fully justified in making the protest, against maintaining the schools in these buildings ; but the school committee can do nothing else until additional accommodations are provided.

#### PHYSICAL TRAINING.

No greater truth or sounder doctrine was ever expressed than these words of Emerson contain :

“The first requisite to success in life, is to be a good animal.”

In many places measurements have been made of large numbers of children to determine the period of greatest growth and development, in both boys and girls, and as a result of the measurements in Boston, it has been shown that the period between 11 and 16 years with boys, and between 9 and 14 with girls, is the one in which they have the greatest power to resist death, and when there can be the greatest physical development and upbuilding, if they are properly trained.

This being the case, how necessary it is that the children in the common schools should have regular training under the guidance of a skilful teacher.

Your committee recommended to the town, at its last annual meeting, the employment of a teacher of physical training, but no special appropriation was made for that purpose although many citizens expressed themselves as in favor of such instruction.

During the last few months of the year just closed, the com-

mittee, thinking it saw its way clear to do so, engaged Miss Clara E. Sheppard, of Newton, to come here two days in each week to instruct the teachers and work in the schools. Miss Sheppard, who is a graduate of the Boston Normal School of Gymnastics, is doing her work in a most faithful and telling manner, going into each of the schools every two weeks, and into the high school twice each week, holding teachers' meetings once in two weeks, so that the regular teachers are being thoroughly drilled in the work.

A more detailed account of the work is given in her report which is printed elsewhere.

#### TRUANCY.

Early in the year I. C. Weeks and George E. Fuller were appointed truant officers, and Mr. Weeks has devoted considerable time to looking up absentees, and the effect of his work is noticeable in the improved attendance, although parents are inclined to keep scholars out for very slight reasons. The last session of the legislature amended the law regarding school attendance, as will be seen by a reference to it as it appears in the back part of this report, and several parties have already been notified that any further unexcused absences will lead to their prosecution. Mr. Weeks' report appears elsewhere.

In addition to his work as truant officer, Mr. Weeks is under contract with the school committee to devote a certain portion of his time each day to repairs and such carpenter work as needs to be done, and under this arrangement a large amount of alterations and repairs have been made at a very moderate cost, and there is no doubt but that this arrangement will result in saving a great many dollars for the town.



## EPIDEMICS.

Our schools have been remarkably free from epidemics during the past year, and very few cases of scarlet fever, diphtheria or measles have been reported during the year.

## NEW STUDIES.

During the past year some time has been given to Nature Study and Science Work in all of the grades even to the lowest. The object of introducing this work into the lower grades is so little understood, many intelligent parents being only too ready to echo the expression of one citizen who said that he preferred his child should "spend his time in learning how to make out a bill properly than in trying to find out how many legs a bug has got," that it may be well to preface our report of this work with a few explanatory words.

The great weak spot in the whole American school system has been in the teaching of our own language, and the average citizen who is called upon to express himself in a concise, clean cut manner, either orally or upon paper, makes a dismal failure, yet these same people can sit down with you and talk intelligently upon any subject with which they are familiar; now why is it thus?

A fellow superintendent relates his experience in the country one summer as follows: "A number of families were boarding with an old deacon, and in one of the families was a bright boy, who, being an exceptional child, was fond of writing, and he could write wonderful effusions upon almost any subject. The good deacon after listening to one of his tales of life in the west, his subject being 'My broncho and I,' was much affected, and being asked his opinion of the boy's work, said: 'I beg you will not encourage him to draw on his imagination so. *You will make that boy a liar!*'

Don't give him such a class of subjects, but let him go out into my potato patch and see what he can find there, and then come back and tell in plain words what he finds. It is a shame to let him run on so when the true and the beautiful are all around us, and there is so much in the world worth knowing.'” If the people of the present generation could have had a potato patch, or its equivalent, to study, and then been allowed to write about what they saw, instead of being called upon to libel Faith, Hope, Charity, and attempt to write several pages of matter upon some abstract subject, of which they knew nothing, we venture the assertion that they would not only be able to write better English themselves, but that they would enjoy the best writings of the best authors more than they do, and that there would be less demand for the trashy literature of the present day.

This nature study is no experiment with us, for the same course that we are now pursuing has been tried in other places, and has resulted in broadening and enriching the course of study, and in reaching those children who are so often called stupid because they cannot comprehend mathematics as well as the mathematical minds, and of stimulating and encouraging a moral growth that nothing else can do. The committee of ten, of whose work I presume all of our citizens have heard, in making their recommendations for a course of study for secondary schools, regarding the subject of nature study, says: “The primary object of nature study is not that the children may get a knowledge of plants and animals. The first purpose of the work is to interest them in nature. This must be done before other desirable results can be obtained. The second purpose is to train and develop the children; i.e., to train them to observe, compare and express, (see, reason and tell); to cause them to form the habit of investigating carefully, and of making clear, truthful statements, and to develop in them a taste for

original investigation. The third purpose is the acquisition of knowledge. This, however, must be "gained by actual experience," and it must be knowledge classified or science. For the attainment of these objects, i. e., interest, power, knowledge, *the children must study the plant*; no book should be used by them. The effort of the teacher should be so to interest and guide them that they will learn how to work profitably."

Early this year Mr. Arthur C. Boyden of the Bridgewater Normal School, who has no superior in the United States in this line of work, was engaged to come here and instruct our teachers in this work. He has been here at intervals during the year and given evening talks to the teachers, in which he has definitely laid out the work in the several grades, and the teachers have thus been enabled to start the work, and we hope that the near future will demonstrate to all parents that this study has a place in the common school course.

#### MUSIC AND DRAWING.

Mr. Carter still remains in charge of the work in drawing and the exhibition of work done in the schools, which was given in the Town Hall last June, showed for itself, better than we can tell, what is being done in this branch.

In Mr. Carter's report of the work of the year which he has submitted to me, he says :

"Just what and how much drawing should be taught in the schools, is a question a great many authorities are trying to decide. We know that the type forms and their parts should be studied first. The sphere, cube, cylinder, ellipsoid and ovoid, with many others, are taken up in our course. From these almost all the fruits and leaves can be taken as applications of these forms, as for example :—from the sphere, the apple and orange ; from the ellipsoid and

ovoid, the potato and pear. The leaves, like the elm, based on the ellipse, the linden leaf on the oval, etc.

Drawing in connection with the nature study is a very necessary help, very often a child can express his idea better by drawing than he can in his own words. The drawing may be very crude, but give the child credit, for he has given you the picture as it appears to him, not in detail, but the general appearance as a whole. Drawing can also be made very helpful in connection with the other studies in both primary and grammar schools. The course in the grammar schools is almost the same as last year, with the exception of what is done in nature work. The exhibition given in the Town Hall last June, gave a good idea of what is being done in our schools to-day. In the high school, mechanical drawing is taken up the first two years; the last two years drawing is optional. We thought by making it optional it would reduce the time I have to spend in the school every week, but it hasn't as yet. Most of the boys in the two upper classes take the mechanical work with the lower class, in preference to the free-hand. The boys show so much interest in this mechanical work, that if manual training was introduced in the schools, they would be prepared to take up the work very readily. This work we hope to see in our schools some time in the near future.

In closing this report, I wish to thank the committee, superintendent and teachers, for their hearty support during the past year."

Mr. Drake still continues his work in music and is faithfully seconded by the regular teachers, so that the results obtained are good. Mr. Drake in his report says:

"In the schools of the town, almost without exception, certainly a greater interest is manifest in the pupils and teachers than any year past. In adopting the method of having

classes of boys by themselves, as has been done in many of the schools, the boys, who often hold back in such work, have proven themselves, at least, the equal of the girls in music. Music generally suffers in comparison with other work, on account of its always being *ensemble* work, and with the exception of the very few who possess no tone-perception at all, everyone sings, and there is no sifting of the wheat from the chaff. Even under these sometimes discouraging conditions the music in our schools attains a pleasing standard, and one of which we may be proud.

The many additional schools of the past year or two render my actual teaching time in each room somewhat less, and the additional studies for the regular teachers, likewise take away somewhat the time for music, but a proper presentation of the work will bring about required results even if time be somewhat limited. It is certainly not the amount of work, but the *kind* that brings about the best results.

While the ability to read at sight is the legitimate outcome of a proper presentation and study of the normal course system, yet there is much of equal, if not more, importance in our music study.

Too much stress cannot be laid upon the quality of the tone we wish from the child. Public school music is often condemned in this one point, yet with proper care and training this can be made one of the virtues rather than faults of the work. Rhythm, expression, phrasing and a general idea of the notation, with an ability to express music in that notation, all this can easily come under the head of our school work. This calls for more or less musical ability on the part of the regular teachers, and while thus far we have felt no great need of teachers' meetings for our music, the requirements are such that meetings may be not only profitable but necessary. For our high school I would suggest, that, instead of a text-book, which cannot but contain mu-

sic which fails to please and interest, some of the easier oratorios be introduced, if the material in the school warrants it. Certainly there are easy cantatas, both secular and sacred, which would interest more and be more profitable than most any text-book, and can be had for a small sum. If such works could be introduced year after year, we would soon have a musical library which would be a fund of interest and profit for time to come, all at not too great an expense. This year the scholars have purchased a work for themselves. Let us hope another year such may be purchased for them. In closing, I wish to thank committee, superintendent, teachers and also scholars, for their kindness and support during the past year."

#### PHYSIOLOGY AND HYGIENE.

Through the kindness of the Woman's Christian Temperance Union of this town, each of our teachers is this year provided with "The School Physiology Journal," which has been very helpful to them in giving the instruction that is required to be given in all the schools of the town by state law, and we believe that this is being better attended to and better done than ever before, as the teachers are anxious not only to comply with the law, but to make the work interesting and profitable to the scholars.

#### ANTI-TOBACCO LEAGUE.

There is probably no city or town in America where the Woman's Christian Temperance Union is more active and effective in its work than in Melrose, with Mrs. Mary A. Livermore as the leading spirit.

Feeling that the cigarette habit was getting too strong a hold upon the boys in our schools, the ladies of the Union started early in the year to organize the grammar school boys



into leagues, following substantially the same plan as was recommended in New York by school commissioner Hubbell, who, although a smoker himself, recognizing the fact that no young boy can habitually indulge in the use of tobacco without seriously affecting his physical, mental and moral growth, has headed a most successful movement against the use of cigarettes by the boys in their public schools.

While the movement is one entirely outside of school authority, it was so closely connected with the work of the teachers in their instruction regarding the use of stimulants and narcotics that all the teachers were most willing to second the efforts of the W. C. T. U., and the result is that a very large majority of the boys in all the schools below the high school, and in some schools all of them, have joined the league.

In order to further interest the boys, the ladies of the Union decided to give them the benefit of military drill, and the boys from the several schools were organized into companies and are now drilled every Saturday by Mr. P. J. Flanders of Wakefield.

Under Mr. Flanders' excellent guidance the boys have already become quite proficient in the elements of military tactics, and there is no doubt about the success of the movement; but still it will require constant care and watchfulness on the part of someone to keep up the interest now manifest, and it is hoped that all parents will heartily second the efforts of the ladies of the W. C. T. U. and co-operate with them in their good work.

#### THE MARKING SYSTEM.

During the year something of a change has been made in the style of report card sent home to parents, the per cent. system of marking giving way to the word system,

and the change is proving to be a wise one for both teachers and parents are getting to understand the meaning of the marks and are taking an interest in their children's standing more and more.

In addition to this a series of five report blanks has been devised, which are sent to parents when either the work or deportment of their children is very unsatisfactory, and it is hoped that these will keep parents of such children as refuse to do the work assigned them in a proper manner informed as to their work, and that they will co-operate with the teachers in bringing up the standard of the work.

We believe that a child should be promoted upon the work he does during the year and the *marking system* has meant far too much in the past to both teachers and scholars and we may say parents. Marks and promotions have too often been the teacher's measure of success, while the children have worked too much for marks and too little for the power and delights that come from the acquisition of knowledge.

Written tests are a good thing to show the teacher wherein the children are weak or deficient in their work, and thus guide her in her work ; but when the teacher teaches and the scholar studies that high marks may be obtained in the required written examinations the school is generally more or less of a failure.

#### SCHOOL DISCIPLINE.

Parents are to a greater or less extent responsible for much of the friction and breach of discipline that comes in school, for instances have come to my knowledge where it was common for the children to call the teacher by her first name, or worse yet, by some opprobrious name in the presence of parents, and where school tricks and happenings that are not at all to the credit of those having a part in



them are told for the amusement of the home circle, and furthermore, where the child's statement of any, and all things that happen in school is accepted as correct and an estimate of the teacher formed therefrom. A wrong is thus done the school, and a lasting injury to the child that it will require years of careful training to efface.

The teacher on the other hand has a great responsibility resting upon her shoulders, she has no right to be cross, fretful or nagging; she must so act in all things that no child can rightly charge her with favoritism, partiality or injustice. She should not live in the school room alone, but must mingle in and gain such a knowledge of the outside world as will be of value to her scholars, and be able to give it to them. The teacher should further remember that she is to serve the school, and not the school her, and that all classes of scholars and grades of intellectual capacity must be treated by her with strict impartiality, not only as to matters of discipline, but in the matter of dividing the time of instruction, endeavoring to develop the powers of the weaker as well as the stronger intellects.

I have constantly urged the teachers in cases of breach of discipline on the part of scholars, to consult with and get the co-operation of parents, and I would as urgently request the parents in case the work or deportment of their children is not satisfactory, to consult with the teachers and I think they will find them ready and willing at all times to listen to suggestions.

If your child has peculiarities which the teacher should know about in order to do the best by him that can be done, don't leave them for the teacher to find out, but go and tell her and thus help the teacher and benefit the child.

I believe that the work of the year has been excellently done in some of our schools and not as well in some others,

and it is not always those who seem to make the greatest effort who obtain the highest degree of success, as the quiet worker who has acquired right methods and gained complete mastery over herself is able to govern her school quietly, yet effectually, and when she has done that the scholars are ready to be taught and there is no chance for trouble.

#### SCHOOL BUILDINGS AS POLLING PLACES.

The superintendent of schools in one of our Massachusetts cities has the following to say regarding the use of school rooms as polling places :

“ I have in previous reports called attention to the evils arising from the use of school rooms as polling places, and for caucuses. The putting up of booths, the day of election, and the removing of the booths occupy three days time at each election, during which time the rooms cannot be used for school purposes, while all the rooms in the building must be dismissed on the days of election. These enforced vacations greatly disturb the work of the schools, but there is an additional evil,—the filthy condition in which the rooms are left. The floors are stained almost beyond cleansing with tobacco expectorations, and an ill odor poisons for some time the air of the school room. After the last election bottles containing liquor were found in some of the closets. Such an object lesson in the habits of men is hardly a desirable one for school children.”

Luckily we are not obliged to make any such sweeping criticism of the system as the above, as it happened that the last election came on the day that our Middlesex County Teachers' Association met, and there was no school, otherwise it would have been necessary to close several schools. In addition to this the rooms were left in such a condition that a thorough cleaning was necessary before school could

be resumed. The school grounds at Grove street, upon which considerable time and money had been spent in an attempt to make a lawn, were driven over and cut up so that they looked more like a prairie road in springtime than like a lawn, and the general public were inclined to use the same as a public thoroughfare for some time after election.

While the school property is the property of the town, and is to be used for the benefit of all its citizens, the school committee are responsible to the public for its proper use and care, and they claim the right to say that the public shall not abuse either the buildings or the grounds, and with this end in view respectfully suggest that if it is possible some other arrangement be made for polling places in the future.

In closing permit me to bear testimony to the faithful and efficient work of the teachers generally, and to thank them for their co-operation. I wish also to acknowledge my indebtedness to this committee for their kind consideration and hearty support.

Respectfully submitted,

B. F. ROBINSON,

*Superintendent.*

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*In School Committee,*

MELROSE, Jan. 26, 1895.

*Ordered,* That the annual report of the superintendent of schools be accepted and adopted as the report of the school committee to the town.

B. F. ROBINSON, *Sec'y.*

*To the Superintendent of Schools, Melrose, Mass.,*

DEAR SIR :—The report of this department must of necessity be brief, as no work was done till the last of September, the first call being made Sept. 25th. Since that time forty visits have been made, but the larger part of the complaints when investigated were found to come from parents keeping children at home to attend to household duties. Few can really be said to be cases of truancy.

We find the parents to be lamentably ignorant concerning the law regarding a child's attendance upon school. In a few cases the child has been detained at home after my first call, but as far as we can learn one presentation of the case has sufficed.

Respectfully submitted,

I. C. WEEKS,

*Truant Officer.*

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*Mr. B. F. Robinson, Supt. of Schools.*

DEAR SIR :—The report of the work in the Ling system of gymnastics must necessarily be short, as but two months have passed since it was introduced into the Melrose schools. The plan of the work is as follows :

In the primary and grammar grades from fifteen to twenty minutes daily are given to the physical exercises. These are conducted by the teacher, and are taken by the pupils in the aisles between the desks. The work is entirely free-hand, no apparatus being used. During the exercises the windows are opened, thus giving a chance for a complete change of air in the school room.

In the high school the work at present is very inadequate, as the pupils have very little time given to the gymnastics, only forty-five minutes on one day of the week, and the

young ladies only half that time. Their class is so large it has to be divided into two sections, thus allowing about twenty minutes exercise for each division. The room in which they are obliged to take the gymnastics is also very unsuitable, as the pupils are crowded and the marching manoeuvres have to be entirely omitted on account of insufficient floor space. But, in spite of all these disadvantages, the pupils have started the work well, and we expect to see good results before the close of the year.

It is hoped that the time is not far distant when the high school pupil shall have the advantages of a large hall, provided with some few pieces of apparatus, and a regular time appointed each day for their physical improvement. This is being done in many of the neighboring towns and cities, and the result shown in the improved health, the erect carriage and the freedom of motion of the pupils, more than justifies the additional expense.

The teachers of all the grades meet me once a fortnight, in the high school building and have a practical lesson in the gymnastic exercises. To most of them the work is entirely new.

They are giving me their hearty co-operation, and I feel that whatever benefits the pupils in the lower grades may derive from the gymnastics, will be largely due to their faithful efforts.

The Ling system of gymnastics is a thoroughly scientific system, based on anatomical and physiological principles and most carefully arranged in a progressive series. The movements in each day's work are placed in such a way that every part of the body is exercised in the most beneficial order to the whole system. Also the work progresses from day to day, requiring more and more difficulty of execution and precision as the strength of the pupil increases, never however

being beyond the physical ability of the pupil at the time. Both teachers and pupils have helped us by their apparent interest in the beginning of the work, and I cannot but feel that with their cordial support it must succeed.

Respectfully submitted,

CLARA E. SHEPPARD,

*Supervisor of Ling Gymnastics.*

*"Too low they build who build beneath the stars."*

1894.

# GRADUATION MELROSE HIGH SCHOOL,

TOWN HALL, WEDNESDAY EVENING, JUNE 27,

Eight o'clock.

## PROGRAMME.

### PART I.

OVERTURE.—"Zampa,"	Harold.
HIGH SCHOOL ORCHESTRA.	
SELECT CHORUS.—"And the glory of the Lord."	Messiah.
SALUTATORY ESSAY.—"Emerson's Ideal Scholar."	
OLIVE B. GILCHRIST.	
SALUTATORY ESSAY.—"The Scholar."	
WILLIS A. MOORE.	
PIANO SOLO.—"The Last Hope."	Gottschalk.
JOSIE B. WORTHEN.	
ESSAY.—"The Space Between is the Way Thither."	
LUCILE E. SARGENT.	
CLASS PROPHECY.	
WM. EBEN WATERHOUSE.	
SELECTION FROM OPERA.—"Wang,"	E. Boettger.
HIGH SCHOOL ORCHESTRA.	

### PART II.

READING OF ROLL OF HONOR AND AWARDING OF FRANKLIN FRATERNITY PRIZES.

Court Scene from "GILES COREY." Time, 1692. Place, Meeting House in Salem.

#### TRIAL OF CERTAIN PERSONS FOR WITCHCRAFT.

GILES COREY,	WILLIS A. MOORE.
MARTHA COREY,	HELEN I. MOORHOUSE.
OLIVE COREY,	MABELLE S. MERRILL.
AFFLICTED GIRLS,	{ JOSIE B. WORTHEN.
	{ AMELIA M. BALDWIN.
MAGISTRATES,	{ ROBERT BROWN.
	{ CARL C. CRANE.
MINISTER PARRIS,	ASHLEY D. LEAVITT.
CONSTABLES,	{ J. WM. AMES.
	{ GEO. H. TOWNE.
WIDOW HUTCHINS,	POLLY PARKER.
NANCY FOX,	SARA M. ANDERSON.

People of Salem Village.—MEMBERS OF CLASS.



ESSAY.—“England’s Relations to the United States, Past and Present.”

CHARLES FRANCIS MARDEN.

SELECTION FROM LONGFELLOW.—“The Famine.” . . . .

A. LENA ADAMS.

VALEDICTORY. . . . .

LOIS MONROE HOLMES.

SELECT CHORUS.—“Ave Maria.” . . . . *Abt.*

*Solo*, GERTRUDE UPHAM.

AWARDING DIPLOMAS.

### CLASS NAMES.

G. A. LENA ADAMS,	CT. GERTRUDE MAY WEEKS,
E. SARA MUNROE ANDERSON,	E. LOUISE MADELINE WELLS,
G. AMELIA MUIR BALDWIN,	P. EDITH MAY WHITFORD,
P. C. LILLIAN BEMIS,	G. JOSIE BELL WORTHEN,
E. MAY AGNES CHISHOLM,	T. J. WILLIAM AMES,
G. LILLIAN FRANKLIN,	E. CHARLES A. BACHELLER,
C. OLIVE BACON GILCHRIST,	E. ROBERT BROWN,
CT. MARCIA LENA HINCKLEY,	G. CARL CUSTER CRANE,
C. LOIS MONROE HOLMES,	CT. ERNEST F. CURRY,
E. MERCY MONTGOMERY HOOD,	T. SAMUEL FULLER DIX,
E. ALICE GERTRUDE LEAVITT,	CT. FREDERICK JUSTUS GEIST,
C. ALICE GERTRUDE LITTLEFIELD,	T. JOHN HEBER LARRABEE,
G. MABELLE SPENCER MERRILL,	CT. ASHLEY D. LEAVITT,
P. HELEN ISABEL MOORHOUSE,	T. W. HENRY MAGNER,
E. POLLY IMOGENE PARKER,	C. CHARLES FRANCIS MARDEN,
E. CARRIE LOUISE POWER,	C. WILLIS ALBERT MOORE,
E. GRACE EVANS ROWE,	C. MELVIN WILBUR SMITH,
G. LUCILE ELAINE SARGENT,	E. GEORGE H. TOWNE,
E. JEANETTE LYNDE UPHAM,	C. WM. EBEN WATERHOUSE.

G, General Course.

E, English Course.

P, Partial Course.

C, College Course.

T, Technology Course.

CT, Certificate.

### SUBJECTS FOR FRANKLIN FRATERNITY PRIZES.

1st Class.—The Mythology of the Ancient Greeks.

The Life of Achilles.

Emerson’s “Ideal Scholar.”

“The Scottish Highlander.”

Milton : the Man and the Poet.

Guinevere :—Princess, Queen and Abbess.

2d Class.—Character of Xenophon.

The Wisdom of Touchstone.

The Punishment of Shylock.

3rd Class.—Thoreau at Walden.

Cyrus the Younger.

4th Class.—Among the Ancients.

From Seed to Leaf.

Honorable mention is made of the following scholars for excellence in literature.

*First Class.*

Lois M. Holmes,

Amelia M. Baldwin,

A. Lena Adams,

Olive B. Gilchrist,

Edith May Whitford,

Wm. E. Waterhouse,

Helen I. Moorhouse,

Carl C. Crane,

Willis A. Moore.

*Second Class.*

Ethel Fernald,

Margaret Grady,

Jessie M. Baker,

Evelyn T. Chalenor,

Carrie L. Worthen,

Roland W. Harris,

Ethel M. Patch,

Geo. Phillips Bryant,

H. Edith Bradbury,

Albert W. Snow.

*Third Class.*

Susie M. Keizer,

Mabel L. White,

Alice F. Bond,

Edith Hunt,

Ethel B. Mayall,

Eugene W. Owen,

Grace Gilmore,

Waldo Wildes.

*Fourth Class.*

Blanche A. French,

Marion G. Thorpe,

Marion C. Waterhouse,

Georgia L. Carpenter,

Clara Edith Baker,

Mildred A. Wagg,

Addie L. Pratt,

Frank N. Loveland,

Cassie L. Pratt,

Christopher F. Collins.

Frank H. Merrill, Jr.

*First Class.*

## In Mathematics.

Olive B. Gilchrist,	J. William Ames,
Grace E. Rowe,	John Heber Larrabee,
Lois M. Holmes,	Wm. E. Waterhouse,
Gertrude Littlefield,	Willis A. Moore.

*Second Class.*

Jessie M. Baker,	Geo. Phillips Bryant,
Margaret Grady,	C. Gardner Barry,
Laura M. White,	Edward E. Albee,
Ethel Fernald,	Samuel Dearborn,
Carrie L. Worthen,	Geo. E. Glover,
Albert W. Snow,	Roland W. Harris,

Chas. A. Holbrook.

*Third Class.*

Edith M. Barron,	Alice F. Bond,
Susie M. Keizer,	E. W. Owen,
Grace P. Washburn,	Harvey B. Hurd,
Ethel B. Mayall,	Frank R. Carr.

*Fourth Class.*

Laura Hood,	Addie L. Pratt,
E. Osgood,	Bertha Packard,
Mildred A. Wagg,	Carl Smith,
Edith Baker,	Harold Stewart,
Florence Sanford,	Edwin Wooldridge,
Mattie Mirfield,	Frank H. Merrill, Jr.
Etta M. Pierce,	Frank N. Loveland.

Prizes were awarded as follows :

Literature : First prize, William Eben Waterhouse ; second prize, Lois M. Holmes ; third prize, Alice F. Bond. Fourth class prize, M. Eleanora Smalley.

Honorable mention is made of Amelia M. Baldwin, Ethel Fernald, Jessie M. Baker, Aimee L. Sears, Clara E. Baker, Cassie L. Pratt, Georgia L. Carpenter.

Mathematics: First prize Geometry, William E. Waterhouse; third class Geometry, Edith M. Barron; first prize Algebra, Susie M. Keizer; fourth class Algebra prize, Mildred A. Wagg.

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*"Work to Win."*

GRADUATION EXERCISES  
OF THE MELROSE GRAMMAR SCHOOL.

Town Hall, Tuesday, June 26th, 1894, 10 o'clock a. m.

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PROGRAMME.

1. MARCH.
2. RECITATION. . . . . "Minot's Ledge."  
RUSSELL KNOX.
3. RECITATION . . . . . "The beautiful ballad of Lady Lee."  
CARRIE DILL.
4. SONG. . . . . "Ave Maria."
5. RECITATION. . . . . "The Prize Violin."  
MAUD BRICKETT.
6. RECITATION. . . . . "The Experience of a Genius."  
RALPH FRANKLIN.
7. CORNET SOLO. . . . . "Young America."  
GRACE HARDY.
8. RECITATION. . . . . "The White Lily."  
ANNIE BRISTER.
9. \*RECITATION. . . . . "Her Brother."  
GRACE REED.
10. SONG. . . . . "Morn is Beginning."
11. RECITATION. . . . . "Liberty and Education the Preservation of the Republic."  
F. H. CURRY.
12. SONG. . . . . "O, Sweet Summer Wind."
13. AWARDDING DIPLOMAS.
14. SONG. . . . . "The Huntsman's Chorus."

GRADUATES.

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Adams, Louis S.  
Amory, S. Lillian.  
Anderson, Elsie M.  
Anderson, William A.  
Bacheller, Alice.  
Barker, Susie G.  
Barnes, Ara E.  
Bense, Theodore L.  
Bosson, Ruth C.  
Brickett, Maud M.  
Brister, Annie J.  
Brown, Carl.  
Brown, Harry H.  
Burbank, Ethel G.  
Carney, Anna B.  
Carney, Sadie W.  
Casey, William E.  
Center, Katherine.  
Cleveland, W. Emerson.  
Coates, Violet C.  
Copithorn, Addie G.  
Curry, Frederick H.  
De Creny, Alice G.  
Dill, Carrie B.  
Doherty, Carrie T.  
Everson, W. Forrest.  
Folsom, Alice L.  
Franklin, Ralph S.  
Frederick, Louise.  
Frost, Dan T.

Lane Katie F.  
Lassell, Charles I.  
Leach, Allen L.  
Leavitt, Helen.  
Libby, Marguerite.  
Long, Anna J.  
Lovell, Charles L.  
Lynde, Alta E.  
Maroney, Nellie M.  
Martin, Lizzie B.  
Mason, Florence H.  
M'Coy, W. Albert.  
Moore, Mabel L.  
Munn, Joseph B.  
Munn, Luella.  
Oakes, Mary L.  
Ogilvie, Clarissa A.  
Orton, George A.  
Osgood, Bertrand M.  
Perham, Clara L.  
Perry, Llewellyn L.  
Provandie, Francis H.  
Quinn, David S.  
Reed, Grace E.  
Rich, Marion S.  
Ricker, A. Winnifred.  
Ring, Siguard I.  
Robinson, Alice W.  
Russell, William H.  
Smith, May E.

Glover, Myrtle P.	Snow, Marion.
Hall, Mary E.	Stewart, Robert L.
Hardy, Grace L.	Thatcher, Mary L.
Hawley, Martha I.	Thomas, Annie M.
Hilbourn, Tom R.	Tucker, Edwin W.
Hills, J. Welsford.	Twitchell, Walter K.
Hocking, Helena M.	Waite, Florence E.
Hodge, Mary I.	Warren, Fannie L.
Holbrook, Dora A.	Westgate, Louise C.
Howes, Ethel O.	Whittier, William J.
Johnson, Lillian C.	Woodward, Ada A.
Kellogg, Frank C.	Worth, Laura.
Kirmes, William L.	Worthen, James C.
Knights, Charles F.	Wells, Winfield S.
Knox, W. Russell.	

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### FLAG DAYS.

The days named below were designated in the last report as Flag Days, and it is hereby ordered that each janitor shall display the national flag from the school buildings under his care from sunrise to sunset. Also that all teachers shall have an exercise or reading of the history relating to the event named, said reading or exercise not to occupy more than fifteen minutes, immediately after the opening of the morning session of school on such days. When the day comes on Saturday or Sunday, or during a vacation, such commemoration shall take place on the Friday preceding.

January 1, Emancipation Proclamation, 1863.

“ 8, Battle of New Orleans, 1815.

“ 15, Capture of Fort Fisher, 1865.

February 6, Victory at Fort Henry, Tenn., 1862.

“ 8, Capture of Roanoke Island, 1862.

“ 12, Birth of Abraham Lincoln, 1809.

“ 16, Capture of Fort Donaldson, 1862.

“ 18, Capture Charleston, S. C., 1865.

March 4, Inauguration of president, once in four years.

“ 5, Victory at Pea Ridge, Ark., 1862.

“ 9, Battle of the iron clads Monitor and Merrimac, 1862.

April 2, Capture of Petersburg, 1865,

“ 3, Capture of Richmond, 1865.

“ 6-7, Victory at Shiloh, Tenn., 1862.

“ 9, Surrender of General Lee, 1865.

“ 12, Attack on Fort Sumpter, 1861.

“ 19, Fight at Concord and Lexington, 1775.

“ 25, Capture of New Orleans, 1862.

“ 27, Birth of General Grant, 1822.

May 3, Town of Melrose incorporated, 1850.

“ 5-6, Battle of the Wilderness, 1864.

“ 30, Capture of Corinth, 1862.

Memorial day, (half mast.).

“ 31, Victory at Fair Oaks.

June 14, Adoption of Stars and Stripes as national emblem,  
1776.

“ 17, Battle of Bunker Hill, 1775.

“ 19, Battle between Kearsarge and Alabama, 1864.

July 1-4, Battle of Gettysburg, 1863.

“ 4, Declaration of Independence, 1776.

September, First day school year.

“ 17, Victory at Antietam, 1862.

October 12, Columbus discovered America, 1492.

“ 19, Battle of Cedar Creek, 1864.

Surrender of Cornwallis, 1781.

November 7, Capture of Port Royal, S. C., 1861.

“ 24, Battle of Lookout Mountain, 1863.

December 15, Victory at Nashville, 1864.

“ 21, Capture of Savannah, 1864.

“ 22, Landing of the Pilgrims, 1620.



## SCHOOL LAWS.

At the last session of the legislature the laws regarding school attendance, and fining of parents and guardians who refuse or neglect to send their children to school, were amended and considerably changed, and the substance of the new law is as follows :—

### EXTRACTS FROM THE PUBLIC STATUTES OF THE COMMONWEALTH.

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#### CHAPTER 498.

#### AN ACT RELATIVE TO THE ATTENDANCE OF CHILDREN IN THE SCHOOLS.

*Be it enacted, etc., as follows:*

SECTION 1. Every person having under his control a child between the ages of eight and fourteen years, and in every city and town where opportunity is furnished, in connection with the regular work of the public schools, for gratuitous instruction in the use of tools or in manual training, or for industrial education in any form, a child between the ages of eight and fifteen years, shall annually cause such child to attend some public day school in the city or town in which he resides, and such attendance shall continue for at least thirty weeks of the school year, if the schools are kept open for that length of time, *with an allowance of two weeks' time for absences not excused by the superintendent of schools or the school committee.* Such period of attendance shall begin within the first month of the fall term of school, and for each five days' absence of any such child thereafter, in excess of the above allowance, before the completion of the

required annual attendance of thirty weeks, the person having such child under his control shall, upon the complaint of the school committee or any truant officer, forfeit to the use of the public schools of such city or town a sum not exceeding twenty dollars, but if such child has attended for a like period of time a private day school approved by the school committee of such city or town, or if such child has been otherwise instructed for a like period of time in the branches of learning required by law to be taught in the public schools, or has already acquired the branches of learning required by law to be taught in the public schools, or if his physical or mental condition is such as to render such attendance inexpedient or impracticable, such penalties shall not be incurred.

SEC. 2. For the purposes of the preceding section school committees shall approve a private school only when the teaching in all the studies required by law is in the English language, and when they are satisfied that such teaching equals in thoroughness and efficiency the teaching in the public schools in the same locality, and that equal progress is made by the pupils therein, in the studies required by law, with that made during the same time in the public schools; but they shall not refuse to approve a private school on account of the religious teaching therein.

SEC. 3. The truant officers and the school committee of the several cities and towns shall vigilantly inquire into all cases of neglect of the duty prescribed in section one, and ascertain the reasons, if any, therefor; and such truant officers or any of them, shall, when so directed by the school committee, prosecute in the name of the city or town any person liable to the penalty provided for in said section. Police, district and municipal courts, trial justices and judges of the probate court, shall have jurisdiction within their respective counties of the offences described in section one.

SEC. 4. All children within the Commonwealth may attend the public schools in the place in which they have their legal residence, subject to the regulations prescribed by law.

SEC. 5. The school committee shall determine the number and qualifications of the scholars to be admitted to the high school.

SEC. 6. Children living remote from any public school in the town in which they reside may be allowed to attend the public schools in an adjoining town under such regulations and on such terms as the school committee of the said towns agree upon and prescribe; and the school committee of the town in which such children reside shall pay the sum agreed upon out of the appropriations of money raised in said towns for the support of schools.

SEC. 7. Any minor under guardianship, whose father has died, may attend the public schools of the city or town of which his guardian is an inhabitant.

SEC. 8. Children may, with the consent of the school committee first obtained, attend schools in cities and towns other than those in which their parents or guardians reside; but when a child resides in a city or town different from that of the residence of the parent or guardian, for the sole purpose of attending school there, the parent or guardian of such child shall be liable to pay such city or town for tuition, a sum equal to the average expense per scholar for the period during which the child so attends.

SEC. 9. The school committee shall not allow a child who has not been duly vaccinated to be admitted to or connected with the public schools.

SEC. 10. The school committees shall not allow any pupil to attend the public schools while any member of the household to which such pupil belongs is sick of smallpox, diphtheria, or scarlet fever, or during a period of two weeks

after the death, recovery or removal of such sick person; and any pupil coming from such household shall be required to present to the teacher of the school the pupil desires to attend, a certificate from the attending physician or board of health, of the facts necessary to entitle him to admission in accordance with the above regulation.

SEC. 11. No person shall be excluded from a public school on account of the race, color, or religious opinions of the applicant or scholar.

SEC. 12. Every member of school committee under whose direction a child is excluded from a public school, and every teacher of such school from which a child is excluded, shall, on application by the parent or guardian of such child, state in writing the grounds and reason of the exclusion.

SEC. 13. A child unlawfully excluded from a public school may recover damages therefor in an action of tort, to be brought in the name of such child by his guardian or next friend, against the city or town by which such school is supported.

SEC. 14. The plaintiff in such action may, by filing interrogatories for discovery, examine any member of the school committee, or any other officer of the defendant city or town, as if he were a party to the suit.

SEC. 15. Whenever a truant school has been established for any county it shall be the place of confinement, discipline and instruction for all truants within the cities or towns of said county, unless said cities or towns have made other provision therefor; and police, district or municipal courts, trial justices and probate courts, shall have jurisdiction within their respective counties of the offences described in sections nineteen and twenty-one of this act; and may commit truants to such truant school or union truant school as may be established for their respective counties under the provisions of this act.

SEC. 16. If three or more towns in any county so require, the county commissioners shall establish at the expense of the county, at a convenient place therein, other than the jail or house of correction, a truant school for the confinement, discipline and instruction of minor children convicted under the provisions of sections nineteen and twenty-one of this act and all acts in amendment thereof and in addition thereto; and shall make suitable provisions for the government and control, and for the appointment of proper teachers and officers thereof. But the county commissioners of two, three or four contiguous counties may, and if three or more cities or towns in each of such counties require, shall, at the expense of said counties, establish for said counties at a convenient place therein a union truant school, to be organized and controlled by the chairman of the county commissioners of said counties, in the manner provided for the government and control of county truant schools by county commissioners; and any county so uniting with another county or counties in the support of a union truant school shall not be required to support a truant school of its own.

SEC. 17. A town may assign any such truant school, or, with the assent of the state board of lunacy and charity, the state primary school, as the place of confinement, discipline and instruction of children so convicted; and shall pay for their support therein such sum, not exceeding two dollars a week for each child, as the county commissioners or trustees of the state primary and reform schools respectively shall determine.

SEC. 18. Children so committed may, upon satisfactory proof of amendment or other sufficient cause, be discharged from the state primary school by said state board, and from other places of confinement by the judge or justice who committed them.



SEC. 19. Each town shall make all needful provisions and arrangement concerning habitual truants, and children between seven and fifteen years of age who may be found wandering about in the streets or public places therein, having no lawful occupation or business, not attending school and growing up in ignorance, and such children as persistently violate the reasonable rules and regulations of the public schools ; and shall make such by-laws as shall be most conducive to the welfare of such children and to the good order of such town; and shall provide suitable places for the confinement, discipline and instruction of such children.

SEC. 20. The school committee of each town shall appoint and fix the compensation of two or more suitable persons, to be designated truant officers, who shall, under the direction of said committee, inquire into all cases arising under such by-laws, and shall alone be authorized, in case of violation thereof, to make complaint and carry into execution the judgment thereon ; and who may serve all legal processes issued by the courts in pursuance of such by-laws, or of sections fifteen to twenty-four inclusive of this act, but who shall not be entitled to receive any fees for such service.

SEC. 21. Any minor convicted under a by-law made under section nineteen of this act of being an habitual truant, or of wandering about in the streets and public places of a city or town, having no lawful employment or business, not attending school and growing up in ignorance, or if persistently violating the rules and regulations of the public schools, shall be committed to any institution of instruction or suitable situation provided for the purpose, under the authority of said section or by-law, for a term not exceeding two years.

SEC. 22. Whoever, after notice from a truant officer to refrain from so doing, offers a reward for services to any

child, in consequence of which reward such child is induced unlawfully to absent himself from school, or whoever, after notice as aforesaid, in any manner entices or induces any child to truancy, or whoever knowingly employs or harbors any truant or unlawful absentee from school, shall forfeit not less than twenty nor more than fifty dollars to the use of the public schools of the city or town in which said offence occurs, to be recovered by complaint.

SEC. 23. Truant officers in cities and towns are hereby authorized, under the direction of the school committees of their respective cities and towns, to apprehend and take to school without warrant all truants found wandering about the streets or public places.

SEC. 24. The school committee of any city or town in any county or counties where a union or county truant school has been or shall hereafter be established may with the approval of the court making the original commitment and with the consent of the county commissioners of the county in which such truant school is established, cause all persons confined in the truant or farm school in such city or town, when such farm school is a truant school, to be removed to such union or county truant school to complete the term for which they were originally committed, subject however to the provisions of law as to release before the expiration of such term.

SEC. 25. The school committees of the several towns shall annually report to the secretary of the board of education whether their respective towns have made the provisions required by law relating to truants and absentees from school.

SEC. 26. Each town may, and every town containing five thousand or more inhabitants shall, make all needful provisions and arrangements concerning children under sixteen years of age who by reason of orphanage or of the



neglect, crime, drunkenness or other vice of parents are suffered to grow up without salutary parental control and education, or in circumstances exposing them to lead idle and dissolute lives; and may also make all such by-laws respecting such children as shall be deemed most conducive to their welfare and to the good order of the town.

SEC. 27. The selectmen of towns containing five thousand or more inhabitants, and of other towns, accepting the provisions of sections twenty-five to twenty-eight, inclusive, of this act, shall appoint suitable persons to make complaints of violations of by-laws adopted under the preceding section; and the person so appointed, and the officers and duly appointed agents of the Massachusetts Society for the Prevention or Cruelty to Children, shall alone be authorized to make such complaints and to carry into execution the judgments thereon; and the persons so appointed shall alone be authorized to make complaints under the following section.

SEC. 28. A judge of the superior court, or of a police, district or municipal court, or a trial justice, upon proof that any child under sixteen years of age, by reason of orphanage or of the neglect, crime, drunkenness or other vice of parents, is growing up without salutary parental control and education, or in circumstances exposing such child to lead an idle and dissolute life, may order such child to such institution of instruction or other place assigned for the purpose as may be provided under section nineteen of this act by the town in which such child resides, to be there kept, educated and cared for for a term not extending beyond the age of twenty-one years for boys, or eighteen years for girls.

SEC. 29. When the parents of a child committed under the preceding section have reformed and are leading orderly

and industrious lives, and are in a condition to exercise salutary parental control over such child, and to provide him with proper education and employment, or when, said parents being dead, any person offers to make such suitable provision for the care, nurture and education of such child as will conduce to the public welfare, and will give security for the performance of the same satisfactory to the directors, trustees, overseers, or other board having charge of the institution to which such child is committed, they may discharge him to the parents or to such other person.

SEC. 30. Chapter forty-seven and sections eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty and twenty-one of chapter forty-eight of the Public Statutes; chapter two hundred and forty-five of the acts of the year eighteen hundred and eighty-three; chapters seventy-one and one hundred and ninety-eight of the acts of the year eighteen hundred and eighty-five; chapters two hundred and forty-nine, four hundred and twenty-two and four hundred and sixty-four of the acts of the year eighteen hundred and eighty-nine; chapters three hundred and nine and three hundred and eighty-four of the acts of the year eighteen-hundred and ninety; chapters three hundred and sixty-one and four hundred and twenty-six of the acts of the year eighteen hundred and ninety-one, and chapter sixty-two of the acts of the year eighteen hundred and ninety-two; and chapter one hundred and eighty-eight of the acts of the year eighteen hundred and ninety-four, and all acts and parts of acts inconsistent herewith, are hereby repealed. [*Approved June 21, 1894.*]

## CHAPTER 203.

### CONCERNING INJURY TO PUBLIC BUILDINGS.

SECTION 78. Whoever wilfully and maliciously or wan-

tonly and without cause destroys, defaces, mars, or injures a schoolhouse, church, or other building erected or used for purposes of education or religious instruction, or for the general diffusion of knowledge, or an out-building, fence, well, or appurtenance of such schoolhouse, church, or other building, or furniture, apparatus or other property belonging to or connected with such schoolhouse, church or other building, shall be punished by a fine not exceeding five hundred dollars, or by imprisonment in the jail not exceeding one year.

## CHAPTER 332.

[ACTS OF 1885.]

### AN ACT REQUIRING PHYSIOLOGY AND HYGIENE TO BE TAUGHT IN THE PUBLIC SCHOOLS.

SECTION 1. Physiology and Hygiene, which, in both divisions of the subject, shall include special instruction as to the effects of alcoholic drinks, stimulants and narcotics on the human system, shall be taught as a regular branch of study to all pupils in all schools supported wholly or in part by public money, except special schools maintained solely for instruction in particular branches, such as drawing, mechanics, art, and like studies. All acts or parts of acts relating to the qualifications of teachers in the public schools shall apply to the branch of study prescribed in this act.

## SALARIES OF TEACHERS AND SUPERINTENDENT.

NAMES.	SCHOOLS.	SALARIES.
Alonzo G. Whitman,	High, Principal,	\$2,000
F. H. Small,	" Sub-master,	1,000
Howard D. Barrows,	" Assistant,	700
A. A. Ballou,	" "	800
Harriet C. Fairbanks,	" "	1,000
Hattie G. Ricker,	" "	650
Mary J. George,	" "	650
Clara B. Mowry,	" "	600
Lydia Mendum,	Warren st., Prin., 8th Gr.,	700
Belle Mitchell,	" " 7th "	550
Alma J. Guptill,	" " 6th "	550
Harriet Doves,	" " 5th "	450
Esther M. Davis,	Franklin st., Prin. 4th Gr.,	550
Mary E. Tupper,	" " 3d & 2d "	475
Hattie M. Field,	" " 1st & 2d "	500
Minnie F. C. Snow,	Green st., 1st, 2d, 3d & 4th Gr.,	475
Effie C. Sweetser,	M. A. Livermore, Principal, 8th Gr.,	700
Lucy W. Bisbee,	" 7th "	600
Lillie J. Davis,	" 6th "	550
Eva M. Crane,	" 5th "	550
Susan D. Melcher,	Centre, Princ., 4th Grade,	550
Isabelle L. Atwood,	" 3rd "	550
Gertrude Stewart,	" 2nd "	400
Isabelle Chapin,	" 1st "	550
Mary I. Coggeshall,	Upham Hill, Princ., 6th & 7th Gr.,	550
Annie Chadbourne,	" 4th & 5th "	550
Bertha M. Lawrence,	" 2nd & 3rd "	450
Cecelia Coyle,	" 1st "	500
Alice M. Swett,	Grove st., Princ., and 8th Gr.,	800
Helen J. Barrett,	" 7th "	600
Janet Young,	" 6th "	550
A. Louise McCormick,	" 5th "	550

NAMES.	SCHOOLS.	SALARIES.
Della H. Crosby,	Grove st., 4th Gr.,	\$550
Nellie Dempsey,	" 3rd "	525
Florence Ellis,	" 2d "	550
A. E. Tucker,	" 1st "	500
Annie G. Smith,	D. W. Gooch school, Princ., 7th Gr.,	650
Alice H. Long,	" " 6th "	525
Etta J. Call,	" " 5th "	550
Mrs. Mary R. Clarke,	" " "	500
Lucy F. Dermot,	" " 3rd "	550
Amelia Trowbridge,	" " 2nd "	525
Annie H. Long,	" " 1st "	400
Arline Merrill,	" " 1st "	400
Emma A. Weeks,	Converse, Principal, 3rd & 4th	" 525
Mary E. Nye,	" 2nd & 1st	" 525
Louise Frost,	Ripley, 1st, 2nd, 3rd & 4th Gr.,	525
Clara Bishop,	Lynde street, 1st Gr.,	500

## SPECIAL TEACHERS.

Grant Drake,	Music,	800
Willis S. Carter,	Drawing,	600
Clara E. Sheppard,	Physical Culture,	350
B. F. Robinson,	Superintendent,	2,000

## JANITORS.

Isaac C. Weeks,	High and Mary A. Livermore,	720
George W. Boutwell,	Grove st. and D. W. Gooch,	900
C. H. Fuller,	Franklin and Green street,	300
John Hitchins,	Centre and Lynde street,	260
Eri Upham,	Upham Hill,	200
Frank Bemis,	Warren street and Old Franklin,	350
Thomas Ray,	Converse,	100
Edward Molyneux,	Ripley,	60

## SCHOOL STATISTICS.

SCHOOLS.	Maximum Number, Jan. 1 to July 1, 1894.	Average Attendance Jan. 1 to July 1, 1894.	Maximum Number, Sept. 1, to Dec. 31, 1894.	Average Attendance, Sept. 1, to Dec. 31, 1894.	No. of Pupils Jan. 1, 1895.	Per Cent. of Att'dance.	Average Age, Dec. 31, 1894.	
							Vrs.	Mos.
High School, First Class.....	37	35	42	40	41	96	17	5
" Second Class .....	35	30	27	23	24	93	16	9
" Third Class.....	55	52	77	76	75	94	16	
" Fourth Class .....	103	91	85	82	84	95	15	6
TOTALS .....	230	208	231	221	224	94.5		
Eighth Grade, Mary A. Livermore.....	49	41.7	52	46.3	49	95.2	14	4
Eighth Grade, Grove Street .....	43	38.8	51	43.9	48	95	14	2
Eighth Grade, Warren Street.....	51	45.5	30	26.5	28	93.4	14	1
Seventh Grade, Mary A. Livermore .....	44	39.5	34	33.4	34	96	13	2
Seventh Grade, Grove Street.....	47	37.8	35	28.3	32	86.1	12	7
Seventh Grade, Warren Street.....			34	31.3	34	94.3	13	8
Seventh Grade, D. W. Gooch School.....			39	33.3	35	94.3	13	7
Seventh and Sixth Grades, Upham Hill.....	30	25.9	34	29.7	32	97.4	12	9
Sixth Grade, Mary A. Livermore .....	41	34	44	42	43	96.6	11	10
Sixth Grade, Grove Street.....	45	39.8	46	42.2	42	93.9	13	3
Sixth Grade, Warren Street.....	39	32.8	40	35.9	38	93.2	12	6
Sixth Grade, D. W. Gooch School .....	42	37.4	45	39.2	41	92.7	12	8
Fifth Grade, Mary A. Livermore .....	52	46	50	45	49	89	11	7
Fifth Grade, Grove Street .....	42	38.3	52	36.9	47	89	10	11
Fifth Grade, Warren Street .....	49	40	30	21.9	30	94.4	11	5
Fifth Grade, D. W. Gooch.....	40	36.5	53	47.7	48	93.6	11	4
Fifth and Fourth Grades, Upham Hill .....	40	36.8	49	46.1	48	95.4	10	9
Fourth Grade, Grove Street .....	47	42	43	35.5	42	93.5	10	9
Fourth Grade, D. W. Gooch.....	44	38.3	50	45.3	46	94	10	3
Fourth Grade, Centre .....	38	31.6	31	27.1	29	93.3	10	3
Fourth Grade, Franklin Street.....	36	30.4	42	37.9	39	95.6	10	2
Fourth and Third Grades, Converse.....	30	26.9	25	23.6	26	93.8	10	
Third Grade, Grove Street.....	37	28.8	48	35.3	42	89.3	9	3
Third Grade, D. W. Gooch.....	48.5	43.7	50	48	50	90	9	2
Third Grade, Centre.....	29	22.4	45	41.9	42	95.2	8	5
Third and Second Grades, Franklin Street.....	27	24	49	45.3	48	94.9	9	2
Third and Second Grades, Upham Hill.....	60	49.8	51	49.2	50	95.6	8	9
Third Second and First Grades, Old Franklin St..	51	36.6	58	45.4	52	88.7	8	4
Second Grade, Grove Street .....	47	35.7	42	35.9	38	90.5	8	5
Second Grade, D. W. Gooch.....	50	43.5	51	46	51	91.1	7	8
Second Grade, Centre.....	43	36.3	42	35.1	40	95	6	8
Second and First Grades, Franklin Street.....	74	68.5	57	52.2	57	90.7	7	
Second and First Grades, D. W. Gooch.....	43	28	48	38	44	86.1	7	10
Second and First Grades, Converse.....	31	21.9	38	34.4	38	92.3	7	3
First Grade, Grove Street .....	57	38.7	46	36.6	42	90.5	7	2
First Grade, D. W. Gooch .....	43	33.1	46	37.8	42	89.4	6	4
First Grade, Centre .....	52	31	51	43	47	93	6	2
First Grade, Upham Hill .....	65	48.8	74	65	70	88.3	6	8
First Grade, Lynde Street.....	38	27.3	41	32.3	39	92	6	10
Green Street School .....	39	34.1	44	40.8	44	90	6	10
Ripley School.....	28	20.5	35	26.8	35	89.7	8	2

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REPORT OF THE TRUSTEES

OF THE

MELROSE PUBLIC LIBRARY

FOR THE

YEAR ENDING DECEMBER 31, 1894.

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MELROSE :  
DUNTON & POTTER, PRINTERS, REPORTER OFFICE.  
1895.





TWENTY-FOURTH ANNUAL REPORT  
OF THE  
TRUSTEES OF THE MELROSE PUBLIC LIBRARY  
FOR THE YEAR ENDING DECEMBER 31, 1894.

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The trustees of the public library respectfully present their twenty-fourth annual report.

The number of persons holding cards permitting them to take books from the library for home reading on January 1, 1894, was 1,300; the number on January 1, 1895, was 2,116, an apparent gain of 816. Of this gain, 268 then held cards which have since been exchanged for those of the new issue, and 548 are new card holders. The number of books issued during 1893 was 32,157; 41,298 were issued during 1894, an increase of 9,141. This increase is partly due to lack of employment and the dull times, which have given more leisure for reading, and in part to the wider acquaintance of the library.

During the year 411 books have been added by purchase, 12 by gift; 46 periodicals have been bound, and the whole number now in the library is about 10,662. The library has been open 305 days, and the average number of books issued each day was 135.3. The number of visitors to the reading room has increased by 3,672. Lack of employment and consequent leisure account for part of this increase, but the librarian reports a larger number of scholars from the pub-

lic schools than ever before, and more inquiries for books of reference and of general information. Children are among the most constant and eager of visitors. In many reading rooms for sufficient reasons children are not allowed to handle the books, and this keeps them out of the room. Our trustees have not found it necessary to forbid the use of books to any on account of age, and it is a sight to make one thoughtful to see these little people of eight or ten years on almost any afternoon turning over the leaves of the St. Nicholas and Harper's Young People, or the Youth's Companion and some illustrated papers which the thoughtful librarian asked to have bound for them; and not seldom under her supervision they are poring over the illustrated books on natural history or the maps. How deeply the lesson of the quiet room, the fascinating pictures with the few bits of reading they can make out, the studiousness of the grown up people who are also reading and looking must impress these little folks, and tend to develop and deepen the feeling of content and love of quiet so essential to worthy manhood and womanhood. Surely later on they will seek the restful society of books and the entertainment and innocent amusement which they afford in preference to noiser distractions and less ennobling diversions. A children's reading room in which so many libraries are now glorying is good, but better is our room for all ages and all classes. The demeanor of the older people is a natural and unresented restraint, and the feeling of the young people that there is something more attractive to look forward to, something the older people enjoy and which will come to them by and by, is a great encouragement to good behavior upon which depends all their pleasure.

For several years the money collected for keeping the books beyond the allotted time has been set apart as a catalogue fund; and for the last two years a fixed sum has been

added each year to this fund, taken from the appropriation. When the library is classified and renumbered a new catalogue must be printed, and the expense of such a catalogue for our library will be from \$1,500 to \$2,000. This expense will have to be met in a few years. The last of the catalogues are now in use, and they do not last long when in active service. The manuscript catalogues and the bound bulletins, which contain merely the last two thousand books, will be the only available substitutes.

The purpose of the trustees is to make the library a thoroughly useful library to the citizens. They do not consider it advisable at present to go to any large extent into specialties, professional literature or rare and costly publications. Try as we may our library cannot furnish for special investigators the facilities which the great libraries of Boston proffer, nor even those which the wealthy and well equipped library of Malden has at its disposal. Moreover there is reason to hope that in a few years some system of interchange will be arranged, whereby these facilities can be offered to scholars of towns other than the one where the library happens to be located. The trustees try, to the limit of their means, to keep the library well supplied with a good collection of English works, with a large selection of the best periodical literature, with the most comprehensive and latest books of reference. Larned's "History for Ready Reference and Topical Reading," which gives the history of all countries in brief and comprehensive selections from the best historians of those countries, has been bought for the reference library. The "Cyclopedia of Names," which gives the pronunciation and derivation of names in biography, geography, mythology, art and archeology, has been bought, and the "Standard Dictionary" which tells all about the words and many idiomatic phrases in use among the English speaking peoples.

The trustees wish to remind the citizens that the library is the proper repository for any book, in manuscript or print, about Melrose. Has anyone a scrap book of written fragments concerning the town, or any family in the town; any genealogical or church records, complete or unfinished; any club records? The library will receive and take care of all such and they will be of value when our beginnings shall have become ancient history.

The Horatio Nelson Perkins fund has accumulated during the year as has the William Emerson Barrett fund.

We kindly thank those who have given to the library and reading room books and periodicals during the year.

By an agreement between the selectmen, the Y. M. C. A. and the trustees, a room for the library and reading room has been rented in the new building nearly completed on Main street. The library will take possession as soon as the town has fitted it up, in March or April it is hoped. The expenses will be slightly increased in the new quarters. From 1890 each year the trustees have asked for the same sum, though the demands have been constantly more pressing; the circulation is larger than then by more than 10,000. The trustees hope they will not be thought unreasonable if they respectfully ask for 1895 an appropriation of \$1,500 and the dog tax.

Respectfully submitted,

MARY L. CHARLES,

*Secretary.*

CHARLES A. PATCH,  
RUBY F. FARWELL,  
ELBRIDGE H. GOSS,  
CHARLES C. BARRY,  
MARY L. CHARLES,  
GEORGE E. MUNROE,

*Trustees.*

## STATEMENT OF THE HORATIO NELSON PERKINS FUND.

JANUARY 1, 1894, TO JANUARY 1, 1895.

## CR.

By balance on hand Jan. 1, 1894,	.	.	.	\$526	54
Interest from Melrose Savings Bank,	.	.	.	21	26
					<hr/>
					\$547 80

## DR.

Balance on hand,	.	.	.	.	.	\$547	80
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## STATEMENT OF THE WILLIAM EMERSON BARRETT FUND.

JANUARY 1, 1894, TO JANUARY 1, 1895.

## CR.

By balance on hand Jan. 1, 1894,	.	.	.	\$69	46
Interest from Melrose Savings Bank,	.	.	.	2	78
					<hr/>
					\$72 24

## DR.

Balance on hand,	.	.	.	.	.	\$72	24
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## CATALOGUE FUND.

## CR.

By balance on hand Jan. 1, 1894,	.	.	.	\$499	24
Fines collected by librarians in 1894,	.	.	.	128	30
From appropriation,	.	.	.	150	00
Interest from Melrose Savings Bank,	.	.	.	20	64
					<hr/>
					\$798 18

## DR.

Balance on hand,	.	.	.	.	.	\$798	18
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Respectfully submitted,

CHARLES A. PATCH,

Treasurer.

## STATISTICS FOR 1894.

No. of volumes in the library Jan. 1, 1894,	.	10,193
“ purchased in 1894,	411,	
“ donated in 1894,	12,	
	—	423
“ in the library Jan. 1, 1895,	.	10,616
No. of persons using library Jan. 1, 1894,	.	1,300
“ cards issued in 1894,	548,	
“ “ “ in 2d registration,	314,	
	—	
	862,	
“ “ relinquished in 1894,	46,	
	—	816
“ persons using library Jan. 1, 1895,	.	2,116
No. of volumes replaced in 1894,	.	103
“ rebound in 1894,	.	672
No. of magazines bound in 1894,	.	46
Largest number of books issued in one day	.	472
Smallest “ “ “ “	.	39
Whole number of books issued in 1894,	.	41,298
“ “ “ sent to Highlands,	.	1,921
No. of persons using the reading room in 1893,	.	15,641
“ “ “ “ 1894,	.	19,313
Largest number of visitors in one month,	.	2,201
Smallest “ “ “ “ “	.	1,042
Largest “ “ “ in one day,	.	143
Books brought from library for use in reading room,	.	302
Books taken on teachers' card,	.	149
No. of days library and reading room open in 1894,		



## PERIODICALS IN READING ROOM.

- American Agriculturist.  
 American Architect and Building News.  
 Arena.  
 Around the World, . . . . Miss Mary L. Charles.  
 Art Amateur.  
 Art Interchange.  
 Atlantic Monthly Magazine.  
 Century Monthly Magazine.  
 Chatauquan.  
 Cosmopolitan Magazine.  
 Critic.  
 Eclectic Magazine.  
 Engineering, . . . . Mr. W. H. Wiley.  
 Family Magazine, . . . . Mr. Frank Harrison.  
 Forest and Stream.  
 Forum.  
 Gartenlaube.  
 Harper's Monthly Magazine.  
     "    Bazar.  
     "    Weekly.  
     "    Young People.  
 Kindergarten Magazine.  
 Land of Sunshine, . . . . F. A. Patten & Co.,  
 Le Francais.  
 Library Journal.  
 Life.  
 Lippincott's Monthly Magazine.  
 Littell's Living Age.  
 London Illustrated News.  
 Literary World, . . . . Mr. Daniel Jefferson.  
 Nation.

North American Review.

New England Magazine.

Outing Monthly Magazine.

Overland.

Popular Science Monthly.

Popular Science News, . . . . Miss Mary L. Charles.

Review of Reviews, . . . . Mrs. Ruby F. Farwell.

Scientific American.

Scientific American Architect and Builder.

Scientific American Supplement.

Scribner's Monthly Magazine.

Shorthand Magazine, . . . . Mr. Frank Harrison.

St. Nicholas Magazine.

#### PAPERS IN READING ROOM.

Charleston News and Courier.

Chicago Inter-Ocean.

Christian Register.

Cincinnati Gazette.

London Weekly Times.

Louisville Weekly Courier Journal.

Melrose Journal, . . . . Charles H. Adams.

Melrose Reporter, . . . . Dunton & Potter,

National Tribune, G. A. R.

New York Tribune, Weekly.

Pilot.

San Francisco Call.

Springfield Republican, Weekly.

Woman's Journal, . . . . Mrs. Mary A. Livermore.

Youth's Companion.

## DONATIONS.

*Books.*

The University Library, . . . .	William F. Poole.
History of Town of Harvard, Mass., .	Warren Hapgood.
History of New England Woman's Club,	Miss S. A. Cheever.
History of 52d Reg. Mass. Volunteers, . . .	State.
Fainalls of Tipton, . . . .	Virginia W. Johnson.
Tulip Place, . . . .	"
House of Musicians, . . . .	"
Terra-Cotta Bust, . . . .	"
Animals' Rights, . . . .	American Humanitarian League.
A Common Man, . . . .	Mrs. Sibley.
Gudrun.—A Mediæval Epic, . . . .	Miss Mary P. Nichols.
King's Handbook of New York City, . . .	Mr. Isaac Emerson.
Littell's Living Age for 1892-1893, . . .	Miss S. A. Cheever.
Popular Science Monthly for 1892-1893, . .	"
Official Catalogue of Exhibition at * Chicago of the German Empire, . . . .	Mr. H. S. Libby

*Pamphlets.*

Number of pamphlets in library, Jan. 1, 1894, . . .	1,572
Annual report of the Boston public library, . . .	1
" " " Brockton " . . . .	1
" " " Concord " . . . .	1
" " " Hopedale " . . . .	1
" " " Malden " . . . .	1
" " " Manchester " N. H. . . .	1
" " " Newton " . . . .	1
" " " Quincy " . . . .	1
" " " Saugus " . . . .	1
" " " Somerville " . . . .	1
" " " Springfield " . . . .	1
" " " Waltham " . . . .	1

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*Carried forward,* . . . . 1,584

<i>Brought forward,</i>	1,584
Annual Report of the Woburn	1
“ “ “ Peabody Insitute	1
The Tuftonian.	12
Official Gazette of the U. S. Patent Office,	52
Literary Sketches of Argentine Writers, S. P. Langley,	1
Report of the National Divorce Reform League,	1
Webster on Protection, Rev. W. C. Wood,	1
Modern Taxation and the Single Tax, Thomas Hill,	1
Henry G. Pearson, a Memorial Address, E. L. Godkin,	1
American Temperance University Year Book, A. M. Burr,	1
Indians and Indian School,	1

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 1657

CARRIE M. WORTHEN, Librarian.

# Statistics of Births, Marriages and Deaths

REGISTERED IN THE TOWN CLERK'S OFFICE

FOR THE YEAR 1894.

	Births.	Marriages.	Deaths.
January, . . . . .	21	8	17
February, . . . . .	18	4	14
March, . . . . .	22	8	13
April, . . . . .	29	7	29
May, . . . . .	23	3	14
June, . . . . .	28	14	17
July, . . . . .	31	3	15
August, . . . . .	24	8	13
September, . . . . .	26	14	14
October, . . . . .	28	14	10
November, . . . . .	18	14	15
December, . . . . .	19	10	19
	<hr/> 287	<hr/> 107	<hr/> 190

## INTENTIONS OF MARRIAGE RECORDED.

No. of couples, . . . . .	106
Both parties residing in Melrose, . . . . .	50
But one party residing in Melrose, . . . . .	52
Neither party residing in Melrose, . . . . .	4
	<hr/> 106

## BIRTHS.

Number registered, . . . . .	287
More than last yea , . . . .	49
Males, . . . . .	157
Females, . . . . .	130
	<hr/>
Born in Melrose, . . . . .	278
" elsewhere, . . . . .	9
Born of American parents, . . . . .	141
" Foreign parents, . . . . .	84
" American father and foreign mother, . . . . .	30
" Foreign father and American mother, . . . . .	32
	<hr/>
	287

## MARRIAGES.

Whole number of couples registered, . . . . .	107
Less than last year, . . . . .	23
Both parties American, . . . . .	59
Both parties foreign, . . . . .	29
American and foreign, . . . . .	19
	<hr/>
First marriage of persons, . . . . .	183
Second marriage of persons, . . . . .	26
Third marriage of persons, . . . . .	4
Fourth marriage of persons, . . . . .	1
	<hr/>
	214

## DEATHS.

Whole number registered,	.	.	.	.	.	.	190
More than last year,	.	.	.	.	32		
Males (married),	.	.	.	.	.	.	37
Females     "	.	.	.	.	.	.	26
Widowers,	.	.	.	.	.	.	7
Widows,	.	.	.	.	.	.	24
Males (single),	.	.	.	.	.	.	10
Females,     "	.	.	.	.	.	.	15
Male children,	.	.	.	.	.	.	40
Female children,	.	.	.	.	.	.	31
<hr/>							190

Under one year (still-born or premature birth 11), 45

From 1 to 5,	.	.	.	.	.	.	15
" 5 to 10,	.	.	.	.	.	.	5
" 10 to 20,	.	.	.	.	.	.	11
" 20 to 30,	.	.	.	.	.	.	14
" 30 to 40,	.	.	.	.	.	.	13
" 40 to 50,	.	.	.	.	.	.	9
" 50 to 60	.	.	.	.	.	.	17
" 60 to 70	.	.	.	.	.	.	24
" 70 to 80	.	.	.	.	.	.	24
" 80 to 90	.	.	.	.	.	.	10
" 90 to 96	.	.	.	.	.	.	3

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## JURORS DRAWN DURING THE YEAR.

February 6, 1894,	.	.	.	.	Clifton Fletcher.
“	.	.	.	.	David Baker.
March 6, 1894,	.	.	.	.	Edwin C. Abbott.
“	.	.	.	.	Joseph Edwards.
April 10, 1894,	.	.	.	.	James H. Fernald.
June 11, 1894,	.	.	.	.	Chase C. Worthen.
“	.	.	.	.	Erastus A. Waitt.
August 21, 1894,	.	.	.	.	Curtis S. Gordon.
“	.	.	.	.	L. Frank Hinckley.

## DOG LICENSES 1894.

Total number issued,	.	.	.	.	.	.	510
Less than last year,	.	.	.	.	19		
Males,	.	.	.	.	.	.	463
Females,	.	.	.	.	.	.	46
Breeders,	.	.	.	.	.	.	1
						—	510
Paid county treasurer ;							
June 1, 1894,	.	.	.	.	.		\$530
Nov. 20, 1894,	.	.	.	.	.		549
						—	\$1,079





REPORT OF THE BOARD

OF

SEWER COMMISSIONERS

OF THE

TOWN OF MELROSE, MASS.,

FOR THE

FINANCIAL YEAR ENDING DECEMBER 31, 1894.

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MELROSE:

DUNTON & POTTER, PRINTERS, REPORTER OFFICE.

1895.





## REPORT OF SEWER COMMISSIONERS.

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*To the Citizens of Melrose:*

Your commissioners submit herewith their first annual report. Elected to office March 5, 1894, our first public duty was the opening of bids on March 24, which were for the construction of section five, and a portion of sections two and eight of the sewer, plans and specifications for all of which had been obtained under the direction of a committee appointed by the town; the plans, specifications, form of contract, etc., had also been accepted by the town, and authority given the committee to advertise for proposals for the construction of that portion of the sewer referred to. In response to their advertisements thirteen bids were presented, which are tabulated elsewhere, showing a wide variance in prices for the labor involved. Nearly a month was spent by the board in investigating and visiting communities where similar work had been performed by the parties who had submitted proposals, and after consultations with engineers of experience, on April 20th it was decided that the bid from Frank L. Allen, of Worcester, Mass., be accepted. Shortly after we received notice from James A. Heath & Son, of Lynn, Mass., that a suit had been entered by them for an action of contract; inasmuch as we had never awarded Messrs. Heath & Son the contract, and the committee had caused to be placed in their advertisement this clause: "The committee or board having charge of the awarding of contracts are allowed, and the right is reserved, to reject any and all bids," we have failed to comprehend what cause they can have for their action.

In May the work was begun at the junction of Grove and Main streets, and has progressed continually until the present time; we regret that it was not completed before the close of the financial year, but owing to delays which seemed unavoidable, the contractor was unable to finish as anticipated, unforeseen difficulties, such as pumping immense quantities of water, the removal of quicksand, which could only be stayed in many instances by double sheeting with plank, have occasioned delays and greatly inconvenienced the public.

We feel justified in saying that the work has been well and faithfully performed, and with as much promptness as could be reasonably expected in a work of so great magnitude and under such difficulties.

#### MATERIAL FOR CONSTRUCTION.

All the material necessary has been furnished the contractor by the town. Bids were received for the furnishing of drain pipe, to be delivered f. o. b. cars at Melrose, as follows :

Perrin, Seamans & Co., of Boston; on 15, 18, 20 and 24 inch pipe 60 per cent. discount, and on 6, 8, 10 and 12 inch pipe 70 per cent. discount from manufacturer's standard list.

Portland Stone Ware Co., of Boston; on standard pipe 75 per cent. discount; pipe according to specification of engineer, extra length and thickness, 70½ per cent. discount; special heavy pipe, their own design, 66 per cent. discount.

Kennedy, Kling & Co., of Pittsburgh, Pa.; No. 1 fire clay, vitrified pipe, from Ohio river, made as per specifications of engineer, extra length and thickness, 68 per cent. discount from list; standard pipe, all sizes, on No. 1, 75 per cent. discount from list; on No. 2, 78½ per cent. discount from list.

Samples were submitted by each bidder. Believing that



the pipe made by the last named firm was equal, if not superior in strength, which in pipe of large capacity is a most important requisite, we awarded them the contract.

Iron man hole covers and rings have been furnished by Osgood & Hart, of Charlestown district, Boston, their price being the same as the Concord Foundry Co., of Concord, N. H., with the additional advantage that they have delivered all their work where directed along the lines of sewer without charge for teaming.

331,123 brick have been bought of the Bay State Brick Co., and in N. H. 1,578 bbls. of Portland cement and 641 bbls. of Rosendale cement have been used, all of which were purchased in car load lots, sent direct at lowest possible prices. The use of Portland cement has increased the cost of the work, but will repay the outlay in durability and lasting qualities.

Gravity flushers have been put in place at ends of pipes in courts and places, which are highly commended by the engineer; they are a new invention designed to overcome the difficulty and inconvenience of flushing the sewers in cold weather especially, and it is claimed that there will also be a great saving in the amount of water necessary to flush by the old method of attaching the hose to hydrants. The flushers work automatically, require but little care, and are easily accessible through the man-holes. The importance of proper flushing will be apparent when the sewer comes into actual operation.

#### STOCK YARD.

The town has under consideration the securing of a location near the railroad for a receiving station for material used upon the water works, sewers and highways, and the matter has been referred to the selectmen. We were com-

pelled to take immediate action and secured a portion of the premises of S. E. Benson on Tremont street, where the pipe and cement have been unloaded from the cars and expense saved in handling the same. A building has been erected by Mr. Benson for the storage of the cement, and the town has fenced the premises ; the rental the past year has been at the rate of \$300 per annum ; if the arrangement is continued more room will be required the coming season.

#### LABOR.

At the town meeting held March 19, it was voted, "That in making contracts for the putting in of the proposed sewer system, the board of sewer commissioners be directed to require that in all work in this town, preference shall be given to the voters of Melrose, ; and that the rate of compensation be the same as that fixed under similar conditions for work in the highway department of this town." At the time of the passage of the above vote, advertisements had been published and a form of contract approved by the committee appointed by the town, delivered to each bidder. The bids submitted five days thereafter, were based on that form of contract. So far as we were able to learn not one of the bidders would have accepted the contract under the conditions imposed by the vote of the town. In making the contract we were enabled to insert the following: "It is understood and agreed on the part of the contractor, that in the employment of laborers upon said sewer, preference shall be given to voters of Melrose." In no instance to our knowledge has an application for work on the part of any citizen been refused, on the contrary a large number have found employment, some during the entire season.

## BONDS.

By vote of the town the selectmen were authorized to petition the legislature for an act enabling the issue of bonds, and the following was passed :

---

[CHAPTER 323.]

AN ACT TO AUTHORIZE THE TOWN OF MELROSE TO INCUR  
INDEBTEDNESS FOR THE PURPOSE OF CONSTRUCT-  
ING A SYSTEM OF SEWERAGE.

*Be it enacted, etc., as follows:*

SECTION 1. The town of Melrose for the purpose of defraying the expense of laying, making and maintaining a system of main drains and common sewers, is hereby authorized to issue from time to time as may be required therefor, bonds, notes or scrip to an amount not exceeding one hundred thousand dollars. Such bonds, notes or scrip shall bear on their face the words, Melrose Sewerage Loan, Act of 1894, shall be payable at the expiration of periods not exceeding thirty years from the date of issue, shall bear interest payable semi-annually at a rate not exceeding four per cent. per annum, and shall be signed by the treasurer and countersigned by the sewerage commissioners of the town. The said town may sell such securities or any part thereof from time to time, at public or private sale, but none of said bonds, notes or scrip shall be issued or sold except in compliance with the vote of the town, nor for less than the par value thereof.

SEC. 2. The receipts from payments, assessments and from such annual rates for the use of such sewers as said town may by vote establish, after deducting the expenses, shall be applied, first to the payment of the interest upon the bonds, notes or scrip issued under the authority of this act

not otherwise provided for, and the balance shall be set apart to meet the requirements of the sinking fund for the payment or redemption of said bonds, notes or scrip as provided by section nine of chapter twenty-nine of the Public Statutes. If the said receipts in any year shall be insufficient to pay the interest on said bonds, notes or scrip, and to meet the requirements of law as to said sinking fund, then in such case the town, to meet said deficiency, shall raise forthwith such sum as will with said net income be sufficient to meet said requirements. Said sinking fund shall remain inviolate and pledged to the payment and redemption of such bonds, notes or scrip, and shall be used for no other purpose.

SEC. 3. The board of sewerage commissioners of said town on the written request, made within three months after notification of assessment, of any owner of an estate assessed by said commissioners for its proportional part of the charge of making and maintaining such main drains or common sewers, shall apportion such assessment into such number of equal parts or instalments, not exceeding five, as said owner shall state in such request, and said board shall certify such apportionment to the assessors of said town, and one of said parts or instalments, with interest from the date of said apportionment at the rate of five per cent. per annum, shall be added by the assessors to the annual tax on such estates for each year next ensuing until all said parts have been so added and paid : *provided*, that nothing herein contained shall be construed to prevent the payment at any time in one payment of any balance of said assessments then remaining unpaid, notwithstanding such prior apportionment. All liens for the collection of such assessment shall continue until the expiration of two years from the time when the last instalment is added by the assessors and remitted to the collector.

SEC. 4. This act shall take effect upon its passage. [*Approved April 27, 1894.*]

At a town meeting held May 7, 1894, it was unanimously voted to issue under authority of the above act, 100 bonds of \$1000 each, bearing date of June 1, 1894, payable in 30 years, with interest at rate of 4 per cent. per annum, payable semi-annually, and the town treasurer was authorized to sell seventy-five of said bonds to the highest bidder. July 16, 1894, fifty bonds were sold at a premium of 6.321, or a total premium of \$3,160.50 and accrued interest, amounting to \$261.11; twenty-five bonds were sold at a premium of 6.61, or a total premium of \$1,652.50 and accrued interest, amounting to \$455.57, the sum total being \$80,529.68.

If the construction of the sewer be continued the coming year as recommended by your commissioners, another issue of bonds will be required.

#### HOUSE CONNECTIONS.

Early in the season we received a request from the selectmen that the service pipes connecting houses with the main drain be laid on Main street to the street line at the same time the main pipes were laid, but owing to the unsettled condition of the streets it was not deemed feasible. The board has no power to compel persons owning estates to connect their drains with the sewer, however much it might be deemed desirable. That our citizens may understand wherein the power lies, we quote from the laws in relation to this matter.

1889.

[CHAP. 108.]

AN ACT ENABLING TOWNS TO AUTHORIZE BOARDS OF HEALTH  
TO ENFORCE REGULATIONS CONCERNING HOUSE DRAINAGE.

*Be it enacted, etc., as follows:*

SECT. 1. Any town may authorize its board of health to



make and enforce in such town such regulations as said board may deem necessary for the safety and health of the people with reference to house drainage and its connection with public sewers, where a public sewer abuts the estate to be drained. Whoever violates any such regulation shall forfeit a sum not exceeding one hundred dollars.

SECT. 2. This act shall take effect upon its passage. [*Approved March 13, 1889.*

1890.

[CHAP. 132.]

AN ACT TO PROVIDE FOR CONNECTING BUILDINGS WITH PUBLIC SEWERS.

*Be it enacted, etc., as follows:*

SECT. 1. Every building situated on a public or private street, court or passageway, in which there is a public sewer, shall, when required by the board of health of the city or town in which it stands, be connected by a good and sufficient particular drain with such public sewer.

SECT. 2. Any person owning, leasing or maintaining any building not connected with a public sewer as provided in the preceding section shall be punished by a fine not exceeding two hundred dollars.

SECT. 3. This act shall take effect upon its passage. [*Approved March 28, 1890.*

It will be seen by the above that the town by vote can authorize the board of health to make such regulations as will abolish cesspools and privies, particularly in the thickly settled portions of the town. We respectfully suggest that action be taken at the coming meeting.

ENGINEER AND ASSISTANTS.

The plans and specifications for the entire sewer system for Melrose were prepared by Walter C. Stevens, C. E., under con-

tract with the committee appointed by the town for that purpose. For the execution of the work as planned, your commissioners found it necessary to employ an engineer with assistants to give grades, levels, etc., also to supervise the work until complete. Believing that it would be for the interest of the town if all the engineering work needed in the several departments could be combined, we conferred with the selectmen and an arrangement was made whereby we engaged the services of Mr. Stevens, to do any work required of him for one year from May 1, at a salary of \$1,500 per annum, with the understanding that the selectmen would allow the sum of \$500 from the highway or sidewalk appropriations. This arrangement has not been wholly satisfactory to the selectmen, and it has cost this department much more than the amount allowed to execute the work required. The importance of having proper plans of every street, showing location not only of sewer pipes, but of water and gas pipes, street railway tracks, the grades of each street, distance of buildings, location of services, etc., will be realized in the near future.

Our purpose was to begin the establishment of an engineer's office, to which each department could apply for information, and the work has been carried forward with that end in view. Visiting a neighboring city we were shown plans extending over several years which were valued at many thousands of dollars. We trust that the matter will be deemed of sufficient importance as to demand action by the town that will insure an economical expenditure in the future, and as a direct result plans of record which will always be accessible. We have purchased instruments and apparatus necessary, and the engineer has a temporary office in what is known as the tower room over the main entrance to the Town Hall.



## INSPECTORS.

The cost of inspection has been large. In the progress of the work the town has been represented on each line or trench by a competent person whose duty was to see that the work was performed according to the specifications in detail, and who also kept an accurate account of the work and the material used. We consider ourselves fortunate to have had in general charge of this important branch W. Dabney Hunter, who had previously had experience as assistant engineer in Waltham, and as inspector in Cambridge and Malden. He has had the oversight of all the other inspectors, and has ably assisted the engineer.

The inspection of pipe at the stock yard required much time and labor, at considerable expense but was a necessity.

## LAW SUITS AND CLAIMS.

An action has been brought against the town by Mr. Thomas J. Ryder for injuries received at corner of Foster and Willow streets, alleged to have been caused by insufficient lighting and proper guarding of the trench. Other suits have been brought against the contractor, who is held responsible under the contract, and has given good and sufficient bonds.

We have paid Mrs. Christina Coburn the sum of \$50 in settlement of damages to her property on Grove street, claimed to have resulted from the excavating for sewer and the pumping of water, the premises having settled whereby repairs were made necessary.

## ASSESSMENTS

The Statutes provide (Chapter 50, Sect. 4,) that the legal voters of a town may adopt a system of sewerage for a part or

the whole of its territory, and may provide that assessments shall be made upon owners of estates within such territory, by a fixed uniform rate, based upon the estimated cost of the sewer therein, according to the frontage of such estates on any street or way where a sewer is constructed, or according to the area of such estates within a fixed depth from such street or way, or according to both such frontage and area.

By an act passed in 1892, chapter 245, it is provided that the part to be paid by the city or town shall in no case be less than one-quarter nor more than two-thirds of the estimated cost. Various plans have been adopted by neighboring cities and towns; we cite the following from three cities which are regarded as progressive communities. The first city passed an ordinance in 1890 which assessed the whole of the estimated cost on the abutters, and fixed the rate of assessment at sixty cents per front foot, and six mills per square foot of area back to 180 feet from the street with an exemption for corner lots of sixty feet of frontage on second street. In 1892, after the passage of the act previously referred to, the city assumed one quarter of the cost and assessed the other three-quarters on the abutters at the rate of fifty cents per front foot and six mills per square foot back to 180 feet, with an exemption for corner lots of 100 feet frontage on second street. In 1893 another revision was made, whereby the city assumed *one-half* the estimated cost of the system and assessed the other half on the abutters, the rate being fixed at fifteen cents only per front foot and five and a half mills per square foot of area back to 180 feet, the question of corner lots being left to the option of the board in reference to any exemption of frontage on second street.

The second city having determined that the estimated cost of their system per running foot was \$2.75, levied a

uniform assessment of fifty cents per foot of frontage and no more. They afterward made an exemption for corner lots of not exceeding sixty feet on second street or way ; estates abutting on blind courts or ways not extending through from one public street to another, an exemption of not exceeding forty feet.

The third city, by a special act of the legislature, are permitted to assess one-half of the estimated average cost of all the sewers in the system upon the estates as follows : one-half of the amount to be assessed (or a fourth of the estimated cost), is assessed according to the value of the land, and the other fourth of the estimated cost on the area of the land within a fixed depth.

It is evident that the benefits to be derived from a sewerage system are partly public and partly private. The first must be met by general taxation and has been fixed by law at not less than one-fourth nor more than two-thirds of the total cost of the system, the problem is how to arrange that the assessment for private benefits shall be levied so that it may be fair, just and equitable. Either the frontage or area plan *alone*, will not meet the requirements. It can be readily seen that differences in shape of lots may allow several houses on one lot and only one or two on another, each lot having the same area or frontage as the case may be.

The acts of 1892, chapter 245, section 1, provide that towns "may by vote establish just and equitable annual charges or rents for the use of such sewers to be paid by every person who enters his particular sewer into the common sewer, and may change the same from time to time." They also provide for the collection of such charges or rentals and furthermore that money so received may be applied to the cost of maintenance and repairs or to the payment of debts contracted for sewer purposes. From this and kindred legisla-

tion, we conclude that the intent of the laws are to provide for the equitable apportionment of the benefits derived and the methods of payment for such benefits, which we will classify as follows :

*First*, the benefit to the town as a whole by having a proper sewer system, which we will designate as a "public benefit" represented by whatever sum is levied in the general tax levy without regard to the location of the sewers.

*Second*, the benefit to estates or "private benefits" in enhancing the value of the estate without regard to whether the sewers are used by the owner of land or not, represented by the proportionate part of the first assessment along the lines of streets where the sewer is already laid either by the frontage or area plan or both.

*Third*, benefits from "actual use" of the sewer to be met by annual fixed charges or rentals in the same manner as payments are now made for the use of water, and as the charges for water vary as to the amount used, so the charges for rentals of sewers should also be varied in proportion to the amount of sewage contributed. If the town supplied water by the meter system this could be more readily ascertained.

Definite plans, based on engineer's estimates, will be presented to the town for action, upon the first two methods of payment.

#### COURTS OR PRIVATE WAYS.

Acting under the authority given by Chapter 50, Section 2, Public Statutes, as amended by the Acts of 1893, Chapter 423, Section 24, notice having been served on the owners of the land and premises adjoining, and a hearing granted, we have laid out for public use a main drain or common sewer within the private ways known as

Allen court or place.	Emerson place.
Benson court.	Faulkner place.
Berwick court or place.	Felton place.
Boston & Maine R. R. land.	Grove place.
Cass street.	Ingalls court.
Central terrace and land of H. A. Leonard.	Kimball court.
Crescent place.	Larrabee place.
Dill's Court.	Perham avenue.
Eastman and Fields courts.	Stevens place.
	Upham court.

The above will be reported to the town for acceptance at the annual meeting.

The North Metropolitan system will probably be in operation this year, possibly in April next, when this town will be allowed to discharge its sewage into the system. Connection has been made with the main line at the junction of Wyoming avenue and Pleasant street. Assuming that the town will continue the extension of its system, we recommend that section 4 and a part of section 7 which includes all that district west of the B. & M. railroad and lying between Russell street and Spot pond brook on the south, and Perkins street on the north, be next constructed. We append report of Mr. Stevens, engineer, and a financial statement of all expenditures to Jan. 1, 1895.

Respectfully submitted,

SETH E. BENSON,  
L. FRANK HINCKLEY,  
JOHN LARRABEE,

Sewer Commissioners.

## FINANCIAL STATEMENT.

## SALE OF BONDS.

C. R. Selee, photographing Town Hall for cut, .	\$1 50
Frank G. Bufford, printing bonds, . . .	100 00
Melrose Journal, advertising sale, . . .	3 88
Boston Journal, " " . . .	26 95
Boston Transcript Co., advertising sale, . .	24 60
Boston Daily Advertiser, " " . . .	26 00
	<hr/>
	\$182 93

## EXPENDED BY COMMITTEE.

Walter C. Stevens, plans as per contract, . .	\$994 00
Globe Newspaper Co., advertising, . . .	23 62
Boston Herald Co., " . . .	16 25
Boston Journal, " . . .	14 00
Engineering Record, " . . .	19 20
" News, " . . .	20 00
Boston Daily Advertiser, " . . .	8 00
" " Record, " . . .	12 00
Melrose Journal, printing reports and contracts,	223 78
	<hr/>
	\$1,330 85

## OFFICE FURNITURE AND EXPENSES.

Orpin Brothers, desk and chairs, . . . .	\$39 75
W. A. Goodno, carpenter work, . . . .	47 10
D. R. Woodward, " " . . . .	16 50
H. C. Dimond, rubber stamps, . . . .	2 85
A. W. Parker, sign, . . . .	2 75
	<hr/>
<i>Amount carried forward,</i> . . . .	\$108 95



<i>Amount brought forward,</i>	\$108 95
Melrose Journal, printing and stationery,	16 25
Dunton & Potter, printing and stationery,	100 25
King & Merrill, stationery,	16 76
Edward A. Hammond, books,	9 00
W. D. Hunter, stationery,	12 38
J. L. Fairbanks, books, etc.,	10 75
Geo. C. Stantial, copying,	2 00
C. S. Brainard, " ,	1 00
O. F. Lapham, cleaning office,	1 50
Telephone service,	14 25
	<hr/>
	\$293 09

## ENGINEERING AND SURVEYING.

*Office Expenses.*

Frost & Adams, instruments and material,	\$190 28
Chas. C. Hutchinson, instruments,	197 75
A. E. Martell & Co., material,	2 00
Little, Brown & Co., books,	2 70
Diebold Safe Co., safe,	35 00
J. Manning & Co., moving safe,	6 00
Orpin Bros., furniture, ,	29 00
A. W. Parker, painting,	10 35
W. A. Goodno, carpenter work,	38 85
J. J. McCullough, hangings,	10 80
H. C. Dimond, rubber stamp,	75
Carter & Shepherd, stationery,	3 70
Geo. E. Fuller, cleaning room,	2 00
	<hr/>
	\$529 18



*Engineers' Services.*

Walter C. Stevens, previous to May 1, . . .	\$78 00
“ for assistants furnished, . . .	104 50
“ salary, 8 months, . . .	1,000 00
Winslow Blanchard, plans, etc., . . .	32 75
Charles F. Woodward, services, . . .	528 75
Arthur G. Worthen, services, . . .	428 20
	<hr/>
	\$2,172 20

## INSPECTORS.

W. D. Hunter, general inspector, services 7 mos., 11 days, . . . . .	\$920 21
Other inspectors on line of sewers, . . .	2,196 80
Inspection of pipe at stock yard, . . .	405 70
	<hr/>
	\$3,522 71

LABOR, PRINCIPALLY AT STOCK YARD AND FOR TEAMING PIPE,  
CEMENT, ETC.

Laborers' pay rolls, . . . . .	\$1,009 81
Teamsters and teams, pay rolls, , . . .	720 80
	<hr/>
	\$1,730 61

## CONTRACT AND MATERIAL.

Frank L. Allen, contractor, on acct., . . .	\$39,536 40
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*Pipe.*

Kennedy, Kling & Co., . . . . .	\$7,796 67
Portland Stone Ware Co., . . . . .	671 21
Waldo Brothers, . . . . .	13 09
Perrin, Seamans & Co., . . . . .	86 99
E. E. Locke, . . . . .	63
David W. Lewis, . . . . .	56 73
C. B. & F. H. Goss, . . . . .	12 02
G. F. Frost, . . . . .	7 50
	<hr/>
	8,644 84
<i>Amount carried forward,</i> . . . . .	<hr/>
	\$48,18 24

*Cement.*

<i>Amount brought forward,</i>			\$48,181 24
Waldo Brothers, 1,445 bbls. Portland,		\$2,832 20	
Bryant & Kent, 110 "		228 00	
E. E. Locke, 23 "		59 80	
Bryant & Kent, 550 bbls. Rosendale,		500 50	
E. E. Locke, 20 "		24 00	
S. E. Benson, 71 "		74 23	
		<hr/>	3,718 73

*Bricks.*

Bay State Brick Co., 151,200 bricks,	\$1,375 52	
S. E. Benson, 3,000 bricks,	21 90	
Edmond Page, 176,923 bricks,	884 63	
	<hr/>	2,282 05

*Freight.*

Boston & Maine R. R. Co., on pipe, cement and bricks,	4,294 58
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*Expressing.*

Eastman's Express,	\$57 15	
American Express,	1 65	
W. A. Cole,	3 25	
	<hr/>	62 05
Perrin, Seamans & Co., 1,851 lbs. jute,		88 33

## IRON WORK AND SUNDRIES.

Osgood & Hart, regulator,	\$95 00	
Rings and covers,	828 66	
40 sets arches,	347 75	
51 20-gallon flusher tanks,	77 50	
29 50-gallon flusher tanks,	348 00	
	<hr/>	1,696 91
<i>Amount carried forward,</i>		<hr/> \$60,323 89

## SEWER REPORT.

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<i>Amount brought forward,</i>		\$60,323 89
Lockwood Mfg. Co., 5 flusher tanks,		68 85
Brock Bros., repairs,		2 15
D. R. Woodward, carpenter work,		5 18
N. E. Water Pipe Co., pipe and couplings,		7 52
Scrannage Bros., bibb cocks,		15 00
Water department, labor and material,		122 85
Thos. McCoubry, manhole rods and bolts,		169 10
S. M. Scribner, hardware,		6 05
H. J. Perry, hardware and paints,		52 87
Joseph Edwards, pipe hangers and irons,		34 90
S. E. Benson, lime, etc.,		4 70
W. H. Wells, 14 loads gravel,		1 40
F. G. Houghton, cheese cloth,		5 84
G. L. Westgate & Son, cheese cloth,		22 83
Hurd & Co., cheese cloth,		1 50
S. D. Farrar, oil suit,		4 00
O. R. Chase, carriage hire,		6 00
J. P. Deering, lumber,		65 26
		<hr/>
		\$60,919 89

## CLAIMS.

Mrs. Christina Coburn, damages,	50 00
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## SALARIES.

S. E. Benson, commissioner one year,	\$50 00
L. Frank Hinckley, commissioner one year,	50 00
John Larrabee, commissioner one year,	50 00
	<hr/>
	\$150 00

## INTEREST.

\$75,000.00 bonds, six months, 4 per cent.,	\$1,500 00
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## RECAPITULATION.

Sale of bonds, . . . . .	\$182 93
Expended by committee, . . . . .	1,330 85
Office furniture and expenses, . . . . .	293 09
Engineer, office expenses, . . . . .	529 18
Engineers, services, . . . . .	2,172 20
Inspectors, services, . . . . .	3,522 71
Labor and teams, . . . . .	1,730 61
Contract and material, . . . . .	60,919 89
Claims, . . . . .	50 00
Salaries of commissioners, . . . . .	150 00
Interest on bonds, . . . . .	\$1,500 00
	<hr/>
	\$72,381 46

## CONTRA.

Bonds issued, . . . . .	\$75,000 00
From premiums, . . . . .	4,813 00
From accrued interest, . . . . .	716 68
	<hr/>
	\$80,529 68
Received on account of engineer's services to other departments, . . . . .	\$375 00
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	\$80,904 68
Balance unexpended, . . . . .	\$8,523 22
	<hr/>
	\$80,904 68

There is due F. L. Allen, contractor, for work performed in January and February the sum of \$3,584.58, and upon completion of the contract the amount held in reserve, viz : \$6,986.42, making a total sum due him of \$10,571.00

Estimated value of pipe, cement, etc., on hand, . . . . .	\$2,597 18
Office furniture, . . . . .	100 00
Engineer's instruments, etc., . . . . .	450 00
	<hr/>
	\$3,147 18

## ENGINEER'S REPORT.

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MELROSE, Jan. 21, 1895.

To SETH E. BENSON, L. FRANK HINCKLEY and JOHN LARRABEE, *Board of Sewer Commissioners of the town of Melrose:*

GENTLEMEN:— I herewith offer for your consideration a report of the construction of sewers in Melrose during the past season.

The contract was let to Mr. Frank L. Allen, of Worcester, who commenced work with a small gang of men at the junction of Main and Grove streets in May, 1894. This introduction to the subterranean conditions of the centre of our town proved that they were worse than was anticipated, for even in the dry weather that then prevailed we found an abundance of ground water, and this, together with very fine sand which easily gives way and runs with the slightest pressure of water. Owing to these conditions, in addition to the presence of two old abandoned culverts that held quite a body of water dangerously near; the well at this point was sunk with difficulty, the bottom of same being reached twice when with a rush of water (from these old waterways), the sand boiled up in the bottom and filled the well from two to three feet with the fine sand which had to be removed the third time, when it was finally secured with a good foundation of concrete, where brick manholes were built. The excavation for the sewer at this point was about eleven feet deep.

The work of laying the twenty inch sewer up Main street was carried on from here. The brook was dammed off with sand bags at the pond and again just east of Main street, and

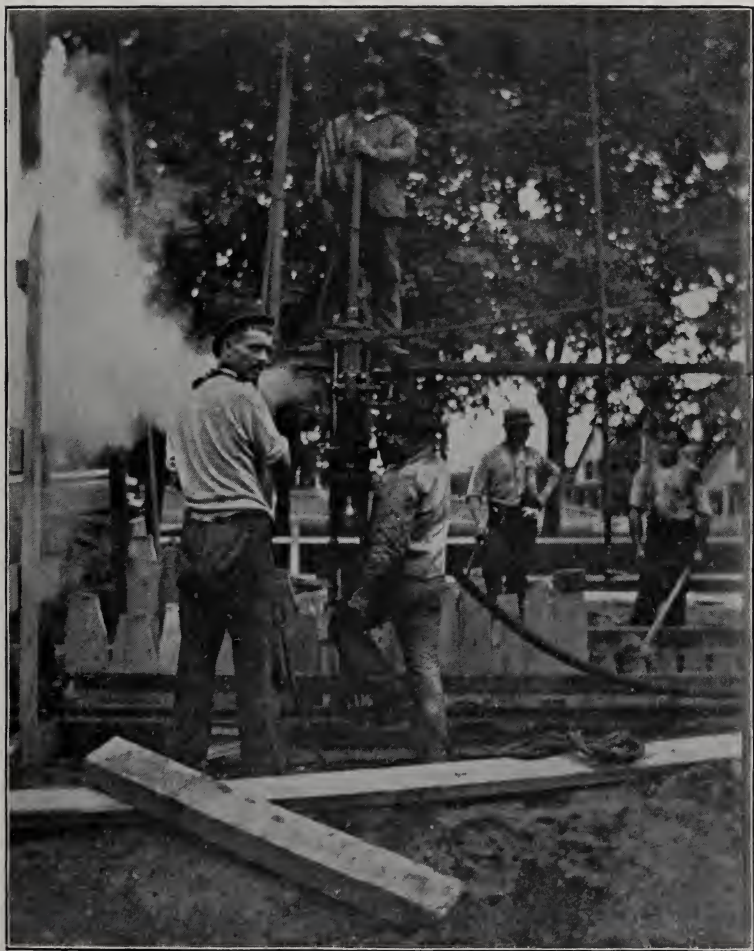
all the water coming down the brooks was turned up the small brook in land of Mr. Geist, to a point just west of his driveway, thence it was turned through a trench three feet wide (excavated for the purpose), to the centre of Grove street, thence westerly around the manholes in Main street, and entering the brook proper just below the Grove street culvert. This allowed of the work being done in Main and Grove streets under the culverts in dry digging. In these and in all cases where sewers were laid under the brook and the railroad, the pipe was laid in and covered with concrete.

As the work proceeded northerly on Main street it ran into deeper cutting, and with this into the worst kind of material to work in. Between Foster and Upham streets the excavation averaged a little over eighteen feet in depth. After the surface gravel was taken off the balance of the cut was in sand, which became very fine as we went down; the ground water appearing at a depth of about seven feet, this, when the bottom was reached, left a head of about eleven feet of water, which, moving through this very fine sand, made things lively and dangerous at times. These conditions were aggravated by the pressure of the heavy business blocks on both sides of the street.

At a point near Foster street, just in front of Bugbee & Barrett's brick building, there seemed to be nothing that would prevent the quicksand boiling up in the trench; the banks on both sides sank from two to three feet. To cope with these difficulties I had two inch tongued and grooved plank used for second sheeting, driven about three feet below sewer grade, and this was buckled in at the bottom by the pressure all it would safely stand. It was found that it was almost impossible to drive the second sheeting deep enough by hand and the contractor procured a novel steam plank driver, which sets on top of the plank and works on the principle of a steam drill; this was a very satisfactory machine, and was used extensively throughout the deep trenches.

The accompanying illustrations show this driving machine in operation, also the hand method of driving. [See plates Nos. 1 and 2.]





(Plate No. 1.)

STEAM PLANK DRIVER.







(Plate No. 2.)      MAIN STREET SEWER TRENCH.



For foundation at this place, above referred to, the excavation was carried two feet below grade, bagging was then placed on the bottom and sides and filled nearly to grade with screened gravel in which was laid an eight-inch underdrain. This gravel and drain was covered with bagging, the pipe bed being made on top of this with fine gravel. As a necessary precaution all plank was left in, properly braced, from Foster to Upham streets. I am glad to say that a recent inspection of the sewer in this place found everything in good condition.

The plan of using the bagging and about eight inches deep of screened gravel around the underdrain the full width of the trench, was carried out through the whole length of Main, Myrtle, Grove and Essex streets, where pipe from eighteen to twenty-four inches in diameter were laid. This was done for foundation and drainage, as there was everywhere very fine sand and too much water (especially when settlements would occasionally break the water mains.)

The Carson trench machine was used on Main, Myrtle, Essex and Tremont streets. The operation and advantages of these machines are so familiar to everybody in this section (where they are used so extensively), that I will simply give a view of the machine as it appeared on Main street, in July, 1894. [See plate No. 3.]

I have paid considerable attention to the laying of the underdrains, so as to have them of some practical benefit to us in the future instead of abandoning them entirely upon the completion of the sewers, as is usually done. There has been quite a large sum of money unavoidably spent for underdraining the sewers during construction ; about one-half of it, I should say, is well invested for permanent good. There has been built at Main and Grove streets, a well (close to the sewer manhole in the centre of the streets),

the bottom of which is about two feet below the level of the underdrains. Into this well the water from the underdrains which are laid in Grove and Lebanon streets and a portion of Main street runs. This rises to the level of the water in the brook and then runs through an overflow pipe from this well into the brook, thus reducing the height of the ground water to about the level of the water in the brook. This level, if carried through Grove street, easterly, becomes about the level of the sewer at Dell avenue, and from here easterly the ground water is practically reduced to below the sewer.

During construction the Lebanon street underdrain worked perfectly by gravity and as described.

Provisions have been made for extending the drains up Grove street and Third street in future construction.

Two more of these wells have been built on the same principle, one at Wyoming avenue and Hurd street and the other on Foster street just west of the culvert; the latter receives the under-drainage from Foster street (Main to Lebanon), Main street (Foster to Porter), Upham street (Main to Lebanon), Dell avenue (Upham to Foster), Winter street and Lebanon street, (Upham to Foster), with like provisions being made for extensions up Upham, First and Foster streets.

The overflow for this last described system of drains is a ten inch pipe, laid on a 1% gradient, through which the water is continually running between three and four inches deep at the present time.

On Emerson street the sewer runs under the bed of the brook (as it does in all other cases), this being laid easterly on a 1.5 % gradient.

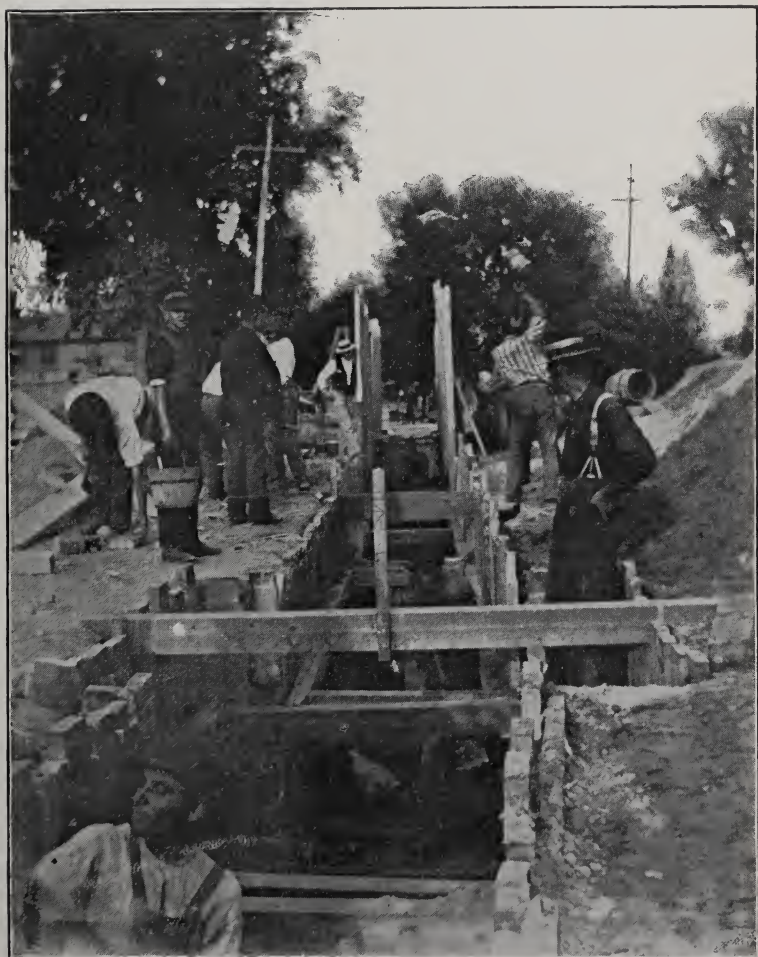
An eight inch pipe was laid through the east wall of the culvert just above the bed of the brook and one foot south of the sewer. This was laid easterly (in the same trench



(Plate No. 3.) CARSON TRENCH MACHINE. MAIN STREET SEWER.







(Plate No. 4.)

WORK ON UPHAM STREET SEWER.



with the sewer and parallel with the line of same) on a 0.5 per cent. gradient, so that when the centre of Lebanon street is reached it is enough below the sewer grade to be used as an ordinary under drain. The four inch under drains of the Lebanon street sewers were laid each way from this and operated by gravity through this clear outfall.

Provision is here made for continuing this drain up Emerson street, and thereby doing a permanent good by connecting with it the proposed underdrains of Rowe street, Hillside avenue and Bellevue avenue and relieving the ground (also some cellars and possibly wells) of the objectionable subsoil water.

The accompanying view shows the work in progress in Upham street near Main street, where the cut was about seventeen feet and was made by hand. [See plate No. 4.]

The first of the work in Myrtle street where an eighteen inch pipe sewer was laid was very slow and difficult, made so by the nature of the material with so much ground water present and the frequent breaking of the old, cement lined water pipe, this difficulty being remedied to a great extent by substituting a new cast iron water pipe for the old one.

On Berwick street, almost the worst material conditions for digging were met with ; ground-water was found four feet below the surface in most places together with very fine sand all the way down. Fortunately the cut was but twelve feet in depth.

It was impossible to carry an underdrain but a short distance at a time and when a point, about half way between Grove and Foster streets was reached, it became necessary to sink a (second) well and put in operation a six inch steam pump to handle the amount of water coming into the trench.

The settlements were so bad along parts of this trench that when we dug up part of the fifteen inch drain, which runs along side of the sewer at a depth of about five feet, to repair the same, some of the lengths of pipe were found on end and some could not be found at all, having sunk below the depth necessary to go to replace the same.

In all cases where local sewers are connected with the Metropolitan sewers, certain requirements are imposed upon the cities and towns making the connection.

These requirements have been met by us and will appear in the following description.

There was a twenty inch circular opening left in the state sewer at the junction of Wyoming avenue and Pleasant street for us to connect our sewers with. This was extended about two feet and connected with a regulator chamber about seven feet square inside (with rounded corners). The sewage is to run through a passage-way, built through the centre of this chamber, from thirty-six inches wide at the entrance to the twenty inch circle at the state sewer and twenty-five inches deep ; on each side of this passage-way there is a well or float chamber twenty inches wide, forty-six inches long and thirty-three inches deep, connected with the passage-way (at the bottom) by a four-inch square hole.

The accompanying view shows the bottom of this regulator chamber and the connection under process of construction. [See plate No. 5.]

Within these wells are contained steel floats, twelve by sixteen by thirty-six inches, which are connected together and to the end of a walking beam by a horizontal angle-iron beam, just above the water table or top of passageway and wells. On the other end of this walking beam (which is fitted on to a steel trunion rod having bearings in iron blocks set into the sides of the passageway) is an adjustable shutoff block or door, the face of which, when it moves



(Plate No. 5.) REGULATOR—AT STATE SEWER—WYOMING AVE. AND PLEASANT ST.







(Plate No. 6.) SUMP—AT WYOMING AVE. AND PLEASANT ST.





downward, comes in perfect fit with a casting, thirty inches wide and ten inches high, at the entrance of this passageway, and shuts off the sewage coming in.

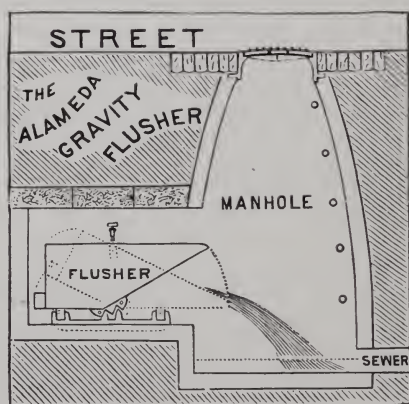
The object of this is that if the sewage in the state sewer is backed up, from any cause, to more than its capacity, these floats will rise with the rising sewage, and operate the shut-off when our sewage will be stopped at this point and backed up until it overflows through an eighteen inch pipe into the underdrain well at Wyoming avenue and Hurd street, and thence through the overflow pipe into the brook (instead of coming out of the manholes into the streets). This operation relieves the state sewer of the additional pressure of our collected sewage in case any such backing up or filling of the state sewer should occur through any accidental cause whatever, which, in my opinion, will seldom if ever happen,

From this regulator is built a twenty-inch brick sewer across Wyoming avenue into the sump chamber, which is built of brick and is five and one-half feet by seven feet inside with arched top, furnished with a manhole to the surface. Our twenty-four inch main sewer enters this chamber on the east side and the Wyoming avenue ten-inch sewer on the west side. There is a decided widening and deepening of the sewers within this chamber, the object of which is to produce a slack in the flow of the sewage and allow all solid and weighty material, such as sand, etc., to sink to the bottom of this sump, where it can be cleaned out, instead of allowing it to pass on into the state sewer and causing trouble there.

The illustration here, shows the sump in process of construction. [See plate No. 6.]

At each dead end there is constructed a recess or chamber from the manhole in which is placed an automatic gravity flusher. This is a simple tilting tank built of iron, and inge-

niously balanced upon a rocker. It is filled with water by means of a connection with the water main, and by adjusting the faucet on this connection to the desired flow it can be filled as often as needed, and every time the tank is filled it dumps its entire contents (fifty or one hundred and twenty gallons), into the end of the sewer at once. This body of water rushing into the sewers at regular intervals keeps them clear, and tends to keep the temperature down, thus obviating, to a great extent, the chances of gas forming within the sewer.



Flushing is indispensable in the proper maintainance of sewers, and in most places is done by a gang of men who go from place to place with fire hose and flush the sewers through the manholes by connecting with the hydrants. It is plain to be seen that but one place at a time can receive the attention of this gang, and when the number of dead ends reaches 200 or 300 only a small portion of them can be attended to each day, and the chances are that in course of time this gang is required to attend to cases that have been neglected so long that their condition has become dangerous, and then they have to use from four to ten times the amount of water to get the sewer clean that it would have taken to

have kept it in good condition. The automatic flusher requires only that one man make the rounds once a week or so, and see that the required flow of water is coming through the faucet to dump the flusher as often as desired (once to three or four times a day), according to location.

I have thus briefly described some of the most interesting features of construction, and the plan at the beginning of this report, together with the following tables, show the sewers built and an account of the cost of constructing the sewer in each street. These accounts do not include the engineering expenses, nor the cost of teaming, jute and manhole rods, as it is almost impossible to divide these correctly among the accounts of the different streets.

## GROVE STREET, EAST OF MAIN.—Sect. 8.

QUANTITIES.	ITEMS.	CONTRACT	
		PRICE.	AMOUNT.
1577.357	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,.....	\$0.70	\$1104.149
90.522	" " " between the depths of 8 and 12 ft. below the surface,.....	0.85	76.943
3.972	" " " " 12 " 16 " .....	1.25	4.965
4.46	" " rock exca., " from surface to depth not exceeding 8 ft.,.....	5.00	22.300
23.173	" " " " " between the depths of 8 and 12 ft. below the surface,.....	5.50	127.451
13.568	" " " " 12 " 16 " .....	6.50	88.192
26.414	" " brick masonry,.....	5.75	151.880
11.310	" " concrete masonry,.....	5.00	56.550
643.17	Linear ft. 8 in. pipe in place,.....	0.07	45.021
254.88	" 10 " " .....	0.08	20.390
949.95	" 12 " " .....	0.10	94.995
1848	" " underdrain in place,.....	0.15	277.200
.824	M. ft. spruce lumber in place,.....	40.00	32.960
1.584	" " left in place for sheeting and shoring,.....	13.00	20.592
24	Linear ft. extra screened gravel and bagging for foundation,.....	0.10	2.400
MATERIAL FURNISHED BY THE TOWN.		PRICE.	
576	Linear ft. 8 in. pipe,.....	0.14	80.64
228	" 10 " .....	0.20	45.60
825	" 12 " .....	0.27	222.75
386	" 4 in. underdrain,.....	0.05	19.30
1470	" 6 " .....	0.07	102.90
2	4 x 4 T branches,.....	0.22	0.44
38	12 x 5 Y branches,.....	1.23	46.74
11	10 x 5 " .....	0.94	10.34
28	8 x 5 " .....	0.65	18.20
65	Barrels, cement, (Portland),.....	2.14	139.10
14.5	" " (Rosendale),.....	1.15	16.67
10	Manhole covers,.....	5.23	52.30
12678	Brick,.....	8.25	104.59
Total,.....			\$2985.558

MYRTLE STREET AND PORTION OF LAKE AVENUE.—Secs. 5 and 2.

[illegible]







## BERWICK STREET.—Sec. 5.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
854.724	Cubic yds. exca. and refill, from surface to depth not exceeding 8 ft.,.....	\$0.70	\$598.306
414.611	" " " between the depths of 8 and 12 ft. below the surface,.....	0.85	352.419
35.926	" " " " 12 " 16 " .....	1.25	44.907
11.082	" brick masonry, .....	5.75	63.721
4.665	" concrete masonry, .....	5.00	23.325
873	Linear ft. 8-inch pipe in place, .....	0.07	61.110
606.8	Linear ft. underdrain in place, .....	0.15	91.020
16.092	M. ft. spruce lumber, left in place for sheeting and shoring,.....	13.00	209.196
431.3	Linear ft. extra screened gravel and bagging for foundation, .....	0.10	43.130
MATERIALS FURNISHED BY THE TOWN.			
		PRICE.	
816	Linear ft. 8-inch pipe.....	0.14	114.24
72	" " 4-inch underdrain,.....	0.05	3.60
521	" " 6-inch " .....	0.07	36.47
2	4x4 T branches, .....	0.22	0.44
1	6x4 " " .....	0.34	0.34
1	8x6 " " .....	0.51	0.51
18	5x5 V " .....	0.36	6.48
35.5	Barrels cement (Portland) .....	2.14	75.97
5	" " (Rosendale) .....	1.15	5.75
4	Manhole covers, .....	5.23	20.92
5319	Brick,.....	8.25	43.88
Total,.....			\$1795.73

## BERWICK PLACE.—Sect. 5.

QUANTITIES.	ITEMS.	MATERIALS FURNISHED BY THE TOWN.	
		CONTRACT PRICE.	AMOUNT.
140.444	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,.....	\$0.70	\$98.310
31.81	“ “ “ between the depths of 8 and 12 ft. below the surface,.....	0.85	27.038
4.121	“ brick masonry,.....	5.75	23.695
0.972	“ concrete masonry,.....	5.00	4.860
156	Linear ft., 6 in. pipe in place,.....	0.05	7.800
152	“ underdrain in place,.....	0.15	22.800
0.680	M. ft. spruce lumber left in place for sheeting and shoring,.....	13.00	8.840
		MATERIALS FURNISHED BY THE TOWN.	
		PRICE.	
138	Linear ft. 6 in. Pipe,.....	0.10	13.80
150	“ 4 in. underdrain,.....	0.05	7.50
6	6 x 5 Y branches,.....	0.43	2.58
8	Barrels cement (Portland),.....	2.14	17.12
2.25	“ “ (Rosendale),.....	1.15	2.58
1	Flusher,.....	35.00	35.00
1	Manhole cover,.....	5.23	5.23
1978	Brick,.....	8.25	16.31
Total, .....			\$293.463



SEWER REPORT.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
144.283	Cubic yds. earth exca. and refill, from surface to depth not exceeding 8 ft. ....	\$0.70	\$100.998
44.321	" " " between the depths of 8 and 12 ft. below the surface, .....	0.85	37.672
0.116	" " " between the depths of 12 and 16 ft. below the surface, .....	1.25	0.145
3.712	" brick masonry, .....	5.75	21.344
1.555	" concrete masonry, .....	5.00	7.775
153.5	Linear ft., 6 inch pipe, in place, .....	0.05	7.675
161.5	" underdrain, in place, .....	0.15	24.225
1.666	M. ft. spruce lumber left in place for sheeting and shoring, .....	13.00	21.658
MATERIALS FURNISHED BY THE TOWN.			
135	Linear ft. 6 inch pipe, .....	0.10	13.50
160	" 4 inch underdrain, .....	0.05	8.00
7	6 x 5 branches, .....	0.43	3.01
8	barrels cement (Portland), .....	2.14	17.12
2	barrels cement (Rosendale), .....	1.15	2.30
1	manhole covers, .....	5.23	5.23
1	Flusher, .....	35.00	35.00
1781	Brick, ....	8.25	14.69
Total, .....			\$320.345



QUANTITIES.

[illegible]

MATERIALS FURNISHED BY THE TOWN.

540	Linear ft. 6 in. pipe,.....	0.10	54.00
404	" 4 in. underdrain,.....	0.05	20.20
200	" 5 ".....	0.06	12.00
26	6 x 5 Y branches,.....	0.43	11.18
20.5	Barrels cement (Portland),.....	2.14	43.87
31.5	" (Rosendale),.....	1.15	36.22
1	Flusher,.....	35.00	35.00
3	Manhole covers,.....	5.23	15.69
53.00	Brick,.....	8.25	43.72
	<b>Total,.....</b>		<b>\$1111.854</b>





QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
132.446	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,.....	\$0.70	\$92.712
0.236	“ “ between the depths of 8 and 12 ft. below the surface,.....	0.85	0.200
1.686	“ rock exca., “ from surface to depth not exceeding 8 ft.,.....	5.00	8.330
243.3	Linear ft. 6 in. pipe in place,.....	0.05	12.165
243.3	“ underdrain in place,.....	0.15	36.495
2.189	M. ft. spruce lumber in place,.....	40.00	87.560
243.3	Linear ft. extra screened gravel and bagging for foundation,.....	0.10	24.330
MATERIALS FURNISHED BY THE TOWN.			
219	Linear ft. 6 in. pipe,.....	0.10	21.90
238	“ 4 in. underdrain,.....	0.05	11.90
8	6 x 5 Y branches,.....	0.43	3.44
1	Barrel cement (Portland),.....	2.14	2.14
Total,.....			\$301.172



## INGALLS COURT.—Sect. 5.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,.....		\$0.70	\$136.205
" " " between the depths of 8 and 12 ft. below the surface,.....		0.85	31.705
" " " " 12 " 16 "		1.25	11.645
" brick masonry,.....		5.75	11.405
" concrete masonry,.....		5.00	16.550
Linear ft. 6 in. pipe in place,.....		0.05	12.875
" underdrain in place,.....		0.15	38.625
M. ft. spruce lumber in place,.....		40.00	0.800
<b>MATERIAL FURNISHED BY THE TOWN.</b>			
Linear ft. 6 in. pipe,.....		0.10	22.50
" 4 in. underdrain,.....		0.05	12.60
6 x 5 Y branches,.....		0.43	5.16
Barrels cement (Portland),.....		2.14	14.98
" (Rosendale),.....		1.15	4.60
Flusher,.....		35.00	35.00
Manhole cover,.....		5.23	5.23
Brick,.....		8.25	7.84
	Total,.....		\$366.717

## LARRABEE PLACE.—Sect. 5.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
140	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,.....	\$0.70	\$98.000
35	" " " between the depths of 8 and 12 ft. below the surface, .....	0.85	29.750
2.78	" brick masonry, .....	5.75	15.985
0.777	" concrete masonry, .....	5.00	3.885
154	Linear ft. 6 in. pipe in place, .....	0.05	7.700
39.2	" underdrain in place, .....	0.15	5.88
.600	M. ft. spruce lumber in place for sheeting and shoring, .....	13.00	7.800
127.2	Linear ft. extra screened gravel and bagging for foundation, .....	0.10	12.720
MATERIALS FURNISHED BY THE TOWN.			
135	Linear ft. 6 in. pipe, .....	0.10	13.50
42	" 4 in. underdrain, .....	0.05	2.10
6	6 x 5 branches, .....	0.43	2.58
6	Barrels cement (Portland), .....	2.14	12.84
1	" (Rosendale), .....	1.15	1.15
1	Manhole cover, .....	5.23	5.23
1334	Brick, .....	8.25	11.00
	Total, .....		\$230.12

## SEWER REPORT.

QUANTITIES.	ITEMS.	AMOUNT.	CONTRACT PRICE.
734.713	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,.....	\$514.299	\$0.70
135.201	" " between the depths of 8 and 12 ft. below the surface, .....	114.920	0.85
8.573	" " " 12 " 16 " .....	10.716	1.25
7.814 <sup>1</sup>	" rock exca., and refill from surface to depth not exceeding 8 ft.,.....	39.050	5.00
22.278	" " between the depths of 8 and 12 ft. below the surface,.....	122.522	5.50
17.393	" brick masonry,.....	100.009	5.75
5.055	" concrete masonry,.....	25.275	5.00
824.5	Linear ft. 6 in. pipe in place,.....	41.224	0.05
841	" underdrain in place,.....	126.150	0.15
2.420	M. ft. spruce lumber left in place for sheeting and shoring,.....	31.460	13.00
<b>MATERIAL FURNISHED BY THE TOWN.</b>			
738	Linear ft. 6 in. pipe,.....	73.80	0.10
352	" 4 in. underdrain,.....	17.60	0.05
33	6 x 5 Y branches,.....	14.19	0.43
1	6 x 6 T branches,.....	0.34	0.34
37.5	Barrels cement (Portland),.....	2.14	2.14
7.5	" (Rosendale),.....	1.15	1.15
2	Flushers,.....	35.00	35.00
5	Manhole covers,.....	26.15	5.23
8348	Brick,.....	68.87	8.25
	Total,.....	\$1485.453	

## STEVENS PLACE.—Sect. 5.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
482.838	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft., .....	\$0.70	\$337.986
90.01	“ “ “ between the depths of 8 and 12 ft. below the surface, .....	0.85	76.508
3.9	“ “ “ 12 “ 16 “ .....	1.25	4.875
12.172	“ brick masonry, .....	5.75	69.989
3.5	“ concrete masonry, .....	5.00	17.500
566.2	Linear ft. 6 in. pipe in place, .....	0.05	28.310
386.45	“ underdrain in place, .....	0.15	57.967
MATERIALS FURNISHED BY THE TOWN.			
504	Linear ft. 6 in. pipe, .....	0.10	50.40
386	“ 4 in. underdrain, .....	0.05	19.30
27	6 x 5 Y branches, .....	0.43	11.61
1	5 in. ¼ bend, .....	0.27	0.27
25	Barrels cement (Portland), .....	2.14	53.50
4.5	“ (Rosendale), .....	1.15	5.17
1	Flusher, .....	35.00	35.00
4	Manhole covers, .....	5.23	20.92
5842	Brick, .....	8.25	48.19
Total, .....			\$837.495



## SEWER REPORT.

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QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
249.491	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft., .....	\$0.70	\$174.643
9.254	“ brick masonry, .....	5.75	53.210
17.888	“ concrete masonry, .....	5.00	89.440
353.5	Linear ft. 6 in. pipe in place, .....	0.05	17.975
218.5	“ underdrain in place, .....	0.15	34.775
2.476	M. ft. spruce lumber in place, .....	40.00	99.040
MATERIAL FURNISHED BY THE TOWN.			
270	Linear ft. 6 in. pipe, .....	0.10	27.00
210	“ 5 in. underdrain, .....	0.06	12.60
12	6 x 5 Y branches, .....	0.43	5.16
1	5 in. bend, .....	0.27	0.27
19.25	Barrels cement (Portland), .....	2.14	41.19
22	“ (Rosendale), .....	1.15	25.30
1	Flusher, .....	35.00	35.00
3	Manhole covers, .....	5.23	15.69
60	Ft. cast iron 6 in. pipe, .....	24.75	1485.00
4441	Brick, .....	8.25	36.64
	Total, .....		\$690.683

## CHERRY STREET.—Sect. 5.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
253.894	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,	\$0.70	\$177.725
7.399	" " between the depths of 8 and 12 ft. below the surface,	0.85	6.289
5.864	" brick masonry,	5.75	33.718
1.944	" concrete masonry,	5.00	9.720
300	Linear ft. 6 in. pipe in place,	0.05	15.000
200	" underdrain in place,	0.15	30.000
MATERIALS FURNISHED BY THE TOWN.			
261	Linear ft. 6 in. pipe,	0.10	26.10
200	" 4 in. underdrain,	0.05	10.00
15	6 x 5 Y branches,	0.43	6.43
9.5	Barrels cement (Portland),	2.14	20.33
2.5	" (Rosendale),	1.15	2.87
1	Flusher,	35.00	35.00
2	Manhole covers,	5.23	10.46
2814	Brick,	8.25	23.21
Total,			\$406.872

## LEBANON STREET.—Sec. 5.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
2121.166	Cubic yds. earth exca. and refill from surface to depth not exceeding 8 ft., .....	\$0.70	\$1484.816
576.037	" " " between the depths of 8 and 12 ft. below the surface, .....	0.85	489.631
127.154	" " " " 12 " 16 " .....	1.25	158.942
10.720	" rock exca., and refill from surface to depth not exceeding 8 ft., .....	5.00	53.600
2.379	" " " between the depths of 8 and 12 ft. below the surface, .....	5.50	13.084
3.73	" " " " 12 " 16 " .....	6.50	24.244
41.841	" brick masonry, .....	5.75	240.585
12.054	" concrete masonry, .....	5.00	60.270
2128.57	Linear ft. 6 inch. pipe in place, .....	0.05	106.428
274.93	" 8 " " .....	0.07	19.245
2424.25	Linear ft. underdrain in place, .....	0.15	363.637
<b>MATERIAL FURNISHED BY THE TOWN.</b>			
1905	Linear ft. 6-inch pipe, .....	0.10	190.50
246	" 8 " " .....	0.14	34.44
2066	" 4 inch underdrain, .....	0.05	103.30
348	" 5 " " .....	0.06	20.88
93	6 x 5 Y branches, .....	0.43	39.99
13	8 x 5 " " .....	0.65	8.45
2	4 x 4 T branches, .....	0.22	0.44
77.25	Barrels cement (Portland), .....	2.14	165.31
30	" (Rosendale), .....	1.15	34.50
4	Flushers, .....	35.00	140.00
12	Manhole covers, .....	5.23	62.76
20085	Bricks, .....	8.25	165.68
	<b>Total, .....</b>		<b>\$3980.733</b>

## WINTER STREET—Sect. 5.

QUANTITIES.	ITEMS.	CONTRACT.	
		PRICE.	AMOUNT.
262.134	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,....	\$0.70	\$183.493
0.555	" rock exca., and refill from surface to depth not exceeding 8 ft.,....	5.00	2.775
5.94	" brick masonry,.....	5.75	34.155
1.944	" concrete masonry,.....	5.00	9.720
358	Linear ft. 6 in. pipe in place,.....	0.05	17.900
MATERIALS FURNISHED BY THE TOWN.			
321	Linear ft. 6 in. pipe,.....	0.10	32.10
16	6 x 5 Y branches,.....	0.43	6.88
13	Barrels cement (Portland),.....	2.14	27.82
2.5	" (Rosendale),.....	1.15	2.87
1	Flusher,.....	35.00	35.00
1	Manhole covers,.....	5.23	5.23
2	Brick,.....	8.25	16.50
2851			23.52
Total,.....			\$386.693

## CRESCENT PLACE.—Sect. 5.

## QUANTITIES.

137.494  
4.505  
207  
1.633

## ITEMS.

Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft., .....  
" brick masonry, .....  
Linear ft., 6 in. pipe in place, .....  
M. ft. spruce lumber in place, .....

CONTRACT PRICE.	AMOUNT.
\$0.70	\$96.245
5.75	25.903
0.05	10.350
40.00	65.320

## MATERIALS FURNISHED BY THE TOWN.

186	Linear ft. 6 in. Pipe, .....	0.10	18.60
8	6 x 5 Y branches, .....	0.43	3.44
10.5	Barrels cement (Portland), .....	2.14	22.47
2	" (Rosendale), .....	1.15	2.30
1	Flusher, .....	35.00	35.00
1	Manhole cover, .....	5.23	5.23
2162	Brick, .....	8.25	17.84

Total, ..... \$302.698









## FAULKNER PLACE.—Sect. 5.

QUANTITIES.		ITEMS.		CONTRACT PRICE.	AMOUNT.
166.939	8.741	Cubic yds. earth exca. and refill, from surface to depth not exceeding 8 ft. ....	.....	\$0.70	\$116.857
5.669	1.944	“ “ “ “ between the depths of 8 and 12 ft. below the surface, .....	.....	0.85	7.406
381.56	164.56	“ “ “ “ brick masonry, .....	.....	5.75	32.596
43.5		“ “ “ “ concrete masonry, .....	.....	5.00	3.720
		Linear ft., 6 inch pipe, in place, .....	.....	0.05	19.678
		“ “ “ “ underdrain, in place, .....	.....	0.15	24.684
		Linear ft. extra screened gravel and bagging for foundation, .....	.....	0.10	43.50
MATERIALS FURNISHED BY THE TOWN.					
336		Linear ft. 6 inch pipe, .....	.....	0.10	33.60
164		“ “ “ “ 4 inch underdrain, .....	.....	0.05	8.20
14		6 x 5 Y branches, .....	.....	0.43	6.02
11		barrels cement (Portland), .....	.....	2.14	23.54
2.5		barrels cement (Rosendale), .....	.....	1.15	2.87
1		Flusher, .....	.....	35.00	35.00
2		manhole covers, .....	.....	5.23	10.46
2721		Brick, ....	.....	8.25	22.45
		Total, .....	.....		\$356.831



## SEWER REPORT.

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QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
719.710	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft., .....	\$0.70	\$503.797
1.433	“ rock exca., and refill from surface to depth not exceeding 8 ft., .....	5.00	7.165
13.391	“ brick masonry, .....	5.75	76.998
7.777	“ concrete masonry, .....	5.00	38.885
667.76	Linear ft. 6 in. pipe in place, .....	0.05	33.388
361.79	Linear ft. 8 in. pipe in place, .....	0.07	25.325
381	“ underdrain in place, .....	0.15	57.150
1.786	M ft. spruce lumber in place, .....	40.00	71.440
381	Linear ft. extra screened gravel and bagging for foundation, .....	0.10	38.100
MATERIALS FURNISHED BY THE TOWN.			
603	Linear ft. 6 in. pipe, .....	0.10	60.300
288	Linear ft. 8 in. pipe, .....	0.14	40.320
36	Linear ft. 8 in. cast iron pipe, .....	0.583	21.000
380	Linear ft. 4 in. underdrain, .....	0.05	19.000
26	6 x 5 Y branches, .....	0.43	11.180
14	8 x 5 Y branches, .....	0.65	9.100
28.75	Barrels cement (Portland), .....	2.14	61.520
12	“ (Rosendale), .....	1.15	13.800
2	Flushers, .....	35.00	70.000
5	Manhole covers, .....	5.23	26.150
6427	Brick, .....	8.25	53.020
Total, .....			\$1237.638

## GROVE PLACE.—Sect. 8.

QUANTITIES.	ITEMS.	CONTRACT	
		PRICE.	AMOUNT.
111.506	Cubic yds. earth exca. and refill, from surface to depth not exceeding 8 ft.,.....	\$0.70	\$78.054
1.886	“ brick masonry,.....	5.75	10.844
0.777	“ concrete masonry,.....	5.00	3.885
161.5	Linear ft. 6-inch pipe in place,.....	0.05	80.75
MATERIAL FURNISHED BY THE TOWN.			
150	Linear ft. 6 in. pipe,.....	0.10	15.00
6	6 x 5 Y branches,.....	0.43	2.58
8	Barrels cement, (Portland),.....	2.14	17.12
1	“ (Rosendale),.....	1.15	1.15
1	Manhole cover,.....	5.23	5.23
905	Brick,.....	8.25	7.47
Total,.....			\$149.408

## KIMBALL COURT.—Sect. 5.

QUANTITIES.	ITEMS.	CONTRACT PRICE.	AMOUNT.
182.928	Cubic yds. earth exca. and refill from surface to depth not exceeding 8 ft.,	\$0.70	\$128.049
56.342	" " " between the depths of 8 and 12 ft. below the surface,	0.85	47.890
11.255	" " " " 12 " 16 "	1.25	14.068
0.291	" " " " 16 " 20 "	2.00	0.582
10.689	" brick masonry,	5.75	61.461
5.333	" concrete masonry,	5.00	11.665
206	Linear ft. 6 in. pipe in place,	0.05	10.300
3	Vertical ft. pipe chimneys,	0.07	0.210
0.439	M. ft. spruce lumber left in place for sheeting and shoring,	13.00	5.707
MATERIAL FURNISHED BY THE TOWN.			
2	Linear ft. 5-inch pipe,	0.06	0.12
177	" 6 "	0.10	17.70
8	6 x 5 Y branches,	0.43	3.44
1	3 in. bend,	0.36	0.36
6	Barrels cement, (Portland),	2.14	12.84
14	" (Rosendale),	1.15	16.10
1	Flusher,	35.00	35.00
1	Manhole covers,	5.23	10.46
2	Brick,	8.25	42.32
5130	Total,		\$418.272





[illegible]



## FELTON PLACE—Sect. 5.

QUANTITIES.	ITEMS.	CONTRACT.	
		PRICE.	AMOUNT.
147.081	Cubic yds. earth exca., and refill from surface to depth not exceeding 8 ft.,.....	\$0.70	\$102.956
0.722	“ “ “ between the depths of 8 and 12 ft. below the surface,.....	0.85	0.613
3.225	“ “ brick masonry,.....	5.75	18.543
1.166	“ “ concrete masonry,.....	5.00	5.830
241	Linear ft. 6 in. pipe in place,.....	0.05	12.050
252	Linear ft. underdrain in place,.....	0.15	37.800
1.624	M. ft. spruce lumber in place,.....	40.00	64.960
167	Linear ft. extra screened gravel and bagging for foundation,.....	0.10	16.700
MATERIALS FURNISHED BY THE TOWN.			
219	Linear ft. 6 inch pipe,.....	0.10	21.90
248	“ “ 4 inch underdrain,.....	0.05	12.40
3	6 x 5 Y branches,.....	0.43	3.87
6.75	Barrels cement (Portland),.....	2.14	14.44
1.5	“ “ (Rosendale),.....	1.15	1.72
1	Flusher,.....	35.00	35.00
1	Manhole cover.....	5.23	5.23
1584	Brick,.....	8.25	12.77
Total,.....			\$3 66.782



It will be seen by referring to my preliminary report on the sewerage system, that the estimated cost of section five is \$55,502.53, and if we add to this the portions of sections 2, 7 and 8 that were included in this contract (estimated upon the same basis), we have an estimated cost of \$70,868.61 not including the portion of Lake avenue that has not been built.

It is impossible for an engineer to estimate exactly what a job of this kind is going to cost, before the ground is broken. He has to make a study of the ground in which the sewers are to be built and form his best judgment as to what is likely to be met with, whether it is gravel, ledge, dry soil and sand or quicksand and water, and then make up his mind what it can be handled for and estimate accordingly. These estimates must of necessity be founded upon individual judgment in the absence of some facts as to what there is to be found in the excavations.

The items of safety, such as leaving in part or all of the sheeting and shoring in places, building timber foundations, etc., and laying underdrains, are things that cannot be figured in advance of construction.

These have amounted to much more than I had anticipated, in this section, owing to unavoidable conditions being met with in the construction.

The hardest thing to estimate is what the average contractor can and will carry out the work for.

You will see by the following canvass of bids received for our work, the very different lights in which practical and experienced contractors view the same piece of work :

## CANVASS OF BIDS FOR SECTION 5 AND PARTS OF SECTIONS 2, 7 AND 8 OF SEWER SYSTEM, MELROSE, MASS.

ITEMS.	Quantities are approximate, and given only for comparison of bids.													
	JAMES HEATH & SON, Lynn.	JOHN SHEEHAN, Lynn.	McCUSKER BROS. & CO., Waltham.	FRANK L. ALLEN, Worcester.	LUCIAN A. TAYLOR, Boston.	JOSEPH LONG & CO., So. Braintree.	WILLIAM S. MARSH, Lawrence.	NAT'L CONST'N CO., Boston.	WEAVING, BOOTH & CO., Boston.	A. W. BRYNE, W. Medford.	MET'POL'N CONST'N CO., Boston.	J. N. DREW & CO., Malden.	LAWRENCE NORTON, Lawrence.	
Excav. to 8 ft., 25,983 cu. yds.....	\$0.43	\$0.50	\$0.60	\$0.70	\$0.70	\$0.58	\$0.87	\$0.75	\$0.95	\$0.81	\$0.90	\$0.64	\$1.34	
“ 8 to 12 ft., 7,693 cu. yds. ....	.47	.75	.80	.85	1.00	1.25	.87	1.17	1.10	1.00	1.25	1.50	1.50	
“ 12 to 16 ft., 3,160 cu. yds.....	.55	1.00	1.25	1.25	1.40	1.75	.87	1.75	1.20	1.50	1.50	2.50	3.55	
“ 16 to 20 ft., 223 cu. yds.....	.65	1.25	1.50	2.00	1.85	2.75	.87	2.33	1.40	2.00	1.75	3.00	2.85	
Concrete masonry, per cu. yd. ....	5.50	5.00	6.00	5.00	4.00	4.50	5.00	4.50	6.00	6.00	4.50	5.50	3.50	
Rubble stone masonry, per cu. yd. ....	6.25	5.00	6.00	5.50	....	3.50	5.00	4.75	6.00	6.00	5.50	6.00	3.50	
Rock excav. to 8 ft., 2.30 cu. yds. ....	3.85	4.00	5.00	5.00	5.00	4.00	4.50	5.50	4.50	4.50	4.50	6.00	4.50	
“ “ 8 to 12 ft., 100 cu. yds...	4.00	4.00	7.00	5.50	6.50	4.50	4.50	7.00	5.00	5.00	6.00	8.00	4.65	
“ “ 12 to 16 ft., .....	4.50	4.00	8.00	6.50	....	6.00	....	7.00	6.00	6.00	....	10.00	4.75	
Spruce piles, per lin. ft.....	.25	.20	.50	.30	....	.45	1.00	.30	.40	.30	.25	.30	15.00	
Pipelaying, 6-in., 14,510 lin. ft.....	.05	.05	.10	.05	.05	.04	.16½	.05	.10	.10	.08	.12	.10	
“ 8-in., 6,080 lin. ft. ....	.06½	.05	.10	.17	.06	.05	.16½	.06	.15	.15	.08	.15	.10	
“ 10-in. 1,270 lin. ft. ....	.08	.05	.10	.08	.08	.08	.16½	.10	.15	.15	.10	.15	.10	
“ 12-in. 970 lin. ft. ....	.10	.05	.10	.10	.09	.08	.16½	.10	.20	.15	.12	.18	.10	
“ 15-in. 370 lin. ft. ....	.15	.05	.10	.10	.12	.10	.16½	.12	.20	.20	.15	.20	.12	
“ 18-in. 2,670 lin. ft.....	.18	.05	.10	.12	.15	.18	.16½	.15	.25	.20	.20	.25	.15	
“ 20-in. 2,995 lin. ft.....	.20	.05	.10	.14	.16	.18	.16½	.17	.25	.20	.20	.25	.15	
“ 24-in. 1,230 lin. ft.....	.24	.05	.10	.18	.20	.18	.16½	.24	.25	.20	.25	.30	.20	
Paving laid 362 sq. yds. ....	2.25	2.20	4.00	3.00	2.00	3.00	3.00	2.75	4.00	3.00	4.00	3.00	2.75	
Spruce lumber in place, per M. ft. ....	40.00	40.00	30.00	40.00	....	15.00	24.00	34.00	50.00	40.00	35.00	40.00	20.00	
Brickwork, 639 cu. yds. ....	4.00	4.50	5.20	5.75	5.00	5.00	5.00	7.00	7.00	10.00	4.75	6.00	4.80	
Total amounts.....	\$24,426	29,260	35,985	37,386	35,341	39,289	43,410	44,986	46,818	47,498	48,057	49,263	64,648	

I never realized until this last season that wells were so numerous in the centre of the town. In some cases the underdrains and pumping have materially affected the supply of water in them, as it has also in some cellars and cess-pools, but if the water pumped is any relation to the water in the wells, as there is every reason to believe it is, the users of them will be better off if they can and will cultivate their tastes to drinking *plain* Spot pond water. One case has been brought to my attention where there is a well (much coveted for its excellent water) within a radius of sixty-five feet of which there are five cess-pools.

With your permission I would like to cite the following from the excellent work of Prof. Cady Staley and Geo. S. Pierson, C. E.:

“POLLUTION OF THE SUB-SOIL AND OF WELLS. The ordinary cesspools are especially objectionable where wells are used as a source of water supply. A well is simply a hole dug in the ground, into which the water, which has sunk into the earth, may drain. The quality of the water will depend upon the condition of the soil through which it passes. In cities without sewerage, cesspools by hundreds are formed in the earth, into which all manner of filth is thrown. Into this same soil wells are dug, and the drippings from the cesspools are caught and drank, and the seeds of disease are sown broadcast in the community. One often hears it said that water which passes through the earth is filtered and purified. But it must not be forgotten that while the earth acts as a sieve, and removes the suspended impurities, the oxidation and nitrification of organic matter depends upon circumstances which are not likely to be favorable very far beneath the surface of the ground. Whatever is in solution remains, to a large extent, in the water.

The Swiss village of Lausen, near Basle, is supplied with water from a spring situated at the foot of a mountainous



ridge, called the Stockhalden. In this village, where there had not been a case of fever in many years, an epidemic of typhoid fever broke out, which struck down seventeen per cent. of the whole population. The cases of fever were pretty evenly distributed among the families of the village with the exception of six. As the six families which escaped did not use water from the spring, suspicions were aroused concerning the water and investigations were made. It had previously been noticed that when the meadows in the Furlerthal, a little valley on the other side of the Stockhalden ridge, were irrigated, the volume of water in the spring was increased; and by the sinking of the soil in one of the meadows in the Furlerthal, a vein of water was discovered, which, it was supposed, led to the spring in Lausen. It was found, upon investigation, that a peasant living in the Furlerthal had returned home from a distant city sick with fever, and that the brook in which his clothes had been washed and into which the slops from the house had been thrown, had been used to irrigate the meadows. This water thus spread out over the fields and then filtered through the ridge, a distance of a mile, still carried the germs of disease in it and brought death to the unsuspecting inhabitants of Lausen.

To prove conclusively that the spring was supplied from the Furlerthal, and to determine whether the water passed through an open vein or was filtered through porous material, the following experiments were made. Several hundred weight of salt was dissolved and poured into the hole in the Furlerthal where the vein was discovered. In a few hours the water of the spring became very salt, and the connection between the water in the Furlerthal and the spring at Lausen was established beyond a doubt.

They now mixed two and one-half tons of flour in water and poured it into the hole, but no trace of the flour could

be found in the spring ; proving that the water was so thoroughly filtered as to remove the minutest particles of the flour, and yet it still retained its infective properties.

Clearness is no proof of purity in water. The water of the Saratoga springs, although thoroughly impregnated with various minerals, are as clear as ordinary spring water, and in a glass of water as clear as crystal there *may* be poison enough to kill a whole family ; not only by the comparatively slow and uncertain process of fever, but surely and immediately.

Deleterious gases may indeed add a sparkle to well water, and the peculiar flavor so highly prized in some wells may be borrowed from a neighboring cess-pool."

The size of the sewers seems to be a constant source of worry to many, who, not having taken the trouble to investigate the subject very thoroughly, persistently claim that "the pipes are too small." For the practical illustration of the advantages of small sewers, that will take care of themselves (to a great extent), over large ones, where the water runs away and leaves sediment and rubbish behind, I beg leave to refer to the following :

"At Wave Crest, Rockaway, L. I., a four-inch sewer has been laid across a salt marsh for the distance of 2,800 feet. This small pipe is nearly level, the total fall being only three inches ; yet, during the nine years in which it has been in use no stoppages have occurred, and no trouble of any sort has been met with.

There are twenty-three houses on this line of pipe, most of which have their water-closets and one or two bath tubs. A flush tank at the end of the line of pipe is supplied by means of a wind mill." Andrews, in N. Y. State Board of Health.

In laying out work for another season I would recommend building sewers in all the streets in section 4, and part of

section 7, i. e., from Perkins street to Spot pond brook and Russell street, and from the Boston & Maine railroad to the Stoneham line. This includes six and eight-tenths miles of sewers.

The flat portions of this section seem to need sewerage more than any other portion of the town and by completing the sewerage of the water shed drained by the Otis street drain, Crystal pond will be relieved of much sewage.

I here wish to express my thanks to my assistants and inspectors for their hearty co-operation in carrying out the work ; also to the contractor, who has always been ready and anxious to do good work.

Respectfully submitted,

WALTER C. STEVENS,

*Town Engineer.*

## REPORT OF PARK COMMISSIONERS.

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The organization of the board of park commissioners is as follows : George T. Brown, chairman, Maurice G. Cochran, treasurer, and C. H. Adams, secretary.

The expenditures in detail are shown in the auditor's report.

The territory in charge of the board consists of the common, extending over several acres on the East side, the Sewall woods on the West side, two small public squares at Norrisville, and the new Wyoming Park, consisting of a plot of ground, the site of the old Barry place, on Main street, at Wyoming.

During the past year, the Metropolitan park commissioners have completed their taking of the Middlesex Fells, to which Melrose has contributed some thirty acres of territory at an assessed valuation of about \$28,000. The court has not yet determined how much shall be paid by Melrose toward this park system, which, when assessed, will be included in the state tax.

The meagre appropriation of \$100 by the town last spring, has prevented the board from entering upon any plans for the permanent improvement of its public grounds.

At the Sewall woods there need be done, at present, but little in the way of improvement.

At the common there is an immediate need of a concrete walk entirely around it, and a system of walks through it. More trees should be set out, and a large amount of grading

done. The small pond should be enlarged with a granite curbing around it, as it has been found that there is ample water to maintain an attractive pond.

At Norrisville, the two pretty squares have been maintained and improved and the two public fountains have been an ornament during the summer season.

The large vase in front of the Town Hall has been filled and cared for during the summer.

At the Wyoming park some improvements should be made and a concrete walk laid across it at the north end. The park presents an opportunity for some public spirited citizen to give to the town an ornamental or public drinking fountain.

During the past year the town has lost many handsome old shade trees that have ornamented the streets for a generation, and the board would recommend a special appropriation for trees to be set out along our public highways.

At the town meeting in November, a special committee of four was appointed to confer with the park commissioners to consider the available land within the town for park purposes and play-grounds. The committee, besides the park commissioners, consists of Col. F. S. Hesseltine, Hon. W. E. Barrett, John Robson and J. T. Nowell. The joint committee organized with C. H. Adams, chairman, and will report at the annual town meeting.

The question of public parks and play-grounds has become one of interest to every city and town in the commonwealth, and Melrose is so favorably situated that it may, with a comparatively small expenditure of money, become famous for its beautiful grounds.

GEORGE T. BROWN, Chairman.

MAURICE G. COCHRANE, Treas.

C. H. ADAMS, Secretary

REPORT OF THE BOARD  
OF  
WATER COMMISSIONERS  
OF THE  
TOWN OF MELROSE, MASS.,  
FOR THE  
FINANCIAL YEAR ENDING DECEMBER 31, 1894.

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MELROSE:  
DUNTON & POTTER, PRINTERS, REPORTER OFFICE.  
1895.

# TOWN OF MELROSE, MASS.

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## WATER DEPARTMENT.

COMMISSIONERS :

WILBUR D. FISKE.

GEORGE J. BICKNELL.

GEORGE L. MORSE.

---

REGISTRAR. :

ELBRIDGE H. GOSS.

---

SUPERINTENDENT :

JAMES W. RILEY.

---

PUMPING STATION :

CHARLES F. CHURCHILL, Engineer.



# REPORT OF THE WATER COMMISSIONERS

FOR THE

YEAR ENDING DECEMBER 31, 1894.

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The twenty-fifth annual report of the board of water commissioners of the town of Melrose, also reports of water registrar, superintendent and engineer, are hereby respectfully submitted.

## STREET MAINS.

The demands for laying main and service pipes during the year has been as follows :

Number of feet of main pipe laid in 1894,	.	.	15,151
“ “ service pipe	“	.	8,292
“ new hydrants set	“	.	19
“ new gates set	“	.	27

A detailed statement of dimensions, location and cost of the above will be found in the appended report.

The putting in of the sewers this year into the streets where the main water pipes were cement lined pipe, has made it necessary for this department to relay many of the mains with new and larger cast iron pipes, thereby creating large expense which could have been obviated for several years to come only for the introduction of the sewage system. This will reduce the amount of money for this year which we expected to turn into our sinking fund to the minimum ; and it will in all probability be a source of expense to this department more or less from year to year until the sewage system is completed. Great care should be used in the excavations and laying of the sewers so as to render as little damage and expense to this department as possible.

## SPOT POND.

The supply of water in Spot pond has remained at a low stage during the whole year, the lowest point reached being on Nov. 5, at which time it was 99½ inches below high water mark, and the highest point reached was May 30, at which time it was 34½ inches below high water mark.

## ADDITIONAL WATER SUPPLY.

Under the contract made with the Middlesex Fells Springs Co., pumping was commenced May 21, 1894, and that company has furnished the town to January 1, 1895, 60,826,050 gallons of water. For cost of same see appended report of the water registrar.

## LAND AROUND SPOT POND.

Your board of water commissioners in conjunction with the water commissioners of the cities of Malden and Medford have settled and paid 34 claims for taking the land and water rights around Spot pond, and now hold the deeds to the property. Only four claims now remain unsettled; these claims will be settled as fast as possible, and a detailed statement of these claims will be made in our future annual report.

## RECOMMENDATIONS.

We recommend that the town appropriate the sum of \$4,000 for the town use.

Respectfully submitted,

WILBUR D. FISKE,  
GEO. J. BICKNELL,  
GEO. L. MORSE,

Commissioners.

# REPORT OF WATER REGISTRAR

OF THE TOWN OF MELROSE, FOR THE YEAR 1894.

*To the Board of Water Commissioners :*

GENTLEMEN:—The following is a report of details for year 1894:

## RECEIPTS.

Received for water rates, . . . .	\$33,791 30
“ “ service pipes, . . . .	2,295 49
	<hr/>
	\$36,086 79
Paid Geo. Newhall, treasurer, \$35,900 30	
Refunded, . . . . 186 49	
	<hr/>
	\$36,086 79

## DISBURSEMENTS.

Bills approved by the water commissioners and paid by the town treasurer :

Stock account—Stock purchased, . . . .	\$17,651 72
Labor on same, . . . .	309 38
Maintenance—Sundry bills, labor and salaries, . . . .	18,123 70
Construction—Labor on construction and street services, . . . .	5,004 88
Paid C. F. Churchill, policing Spot Pond for Malden and Medford, same refunded, . . . .	306 66
	<hr/>
	\$41,396 34

## STATEMENT FOR SINKING FUND.

## INCOME.

From water rates, . . . . .	\$33,791 30
Less amount refunded, . . . . .	186 49
	<hr/>
	\$33,604 '81

## LESS.

Interest on bonds, from town treasurer's books, . . . . .	\$9,940 00
Maintenance—Sundry bills, labor and salaries, . . . . .	18,123 70
Maintenance—Stock used, . . . . .	5,113 85
	<hr/>
	\$33,177 55
Surplus, . . . . .	<hr/>
	\$427 26

## MAINTENANCE.

City of Malden, $\frac{1}{3}$ expenses at Spot Pond, . . . . .	\$240 86
Union B. Twitchell, wood, . . . . .	5 00
M. J. Drummond, interest on stock, . . . . .	63 49
Curry & Hebblethwaite, repairs, . . . . .	3 40
Braman, Dow & Co., fittings, . . . . .	13 92
A. M. Morton & Co., packing, . . . . .	1 20
Walworth Mfg Co., fittings and repairs, . . . . .	33 50
Bugbee & Barrett, sundries, . . . . .	17 47
N. E. Tel. & Tel. Co., service . . . . .	279 47
G. L. Ditmar, wood, . . . . .	19 50
Phillips & Hodgdon, hay and oats, . . . . .	170 50
R. M. Gibson & Son, repairs, . . . . .	2 20
	<hr/>
<i>Amount carried forward, . . . . .</i>	<i>\$850 51</i>

<i>Amount brought forward,</i>	\$850 51
J. S. Austin, carriage,	1 50
G. F. King & Merrill, stationery,	13 55
James W. Riley, superintendent,	1,100 00
Charles F. Churchill, engineer,	900 00
Elbridge H. Goss, registrar,	800 00
Wm. Magner, land damage,	15 00
J. J. McCullough, water damage,	31 50
Brock Bros., sundries,	20 33
J. J. McCarthy's Sons, charcoal	1 75
P. Ainsworth, sleepers, etc.,	10 28
R. W. Pratt, rent of boiler,	342 00
J. P. Deering & Co., lumber,	27 53
R. Gibbons, stock and labor,	19 00
Chapman Valve Mfg. Co., repairs,	11 39
J. C. Bartlett, gravel,	16 00
Plymouth Furnishing Co., matting, etc.,	29 61
Edson Mfg. Co., diaphragms,	8 30
Leonard & Ellis,	1 00
S. M. Spencer & Son, steel stamp,	60
Knowles Pump Works, valves, etc.,	94 80
G. H. Mason & Co., lantern globes,	22 90
H. J. Perry, sundries,	22 82
Ames Plow Co., tools,	50 75
G. P. Anderson & Co., packing,	87 89
Frost & Hawes, sundries,	24 67
American Express Co., expressing,	3 55
F. H. Tyzzer, painting,	37 00
Addison Lane, rent of shop one year,	120 00
Mary D. Ellis, rent of stable one year,	60 00
I. H. Wiley & Co., enameline,	4 80
Larrabee & Stearns, sundries,	3 49

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*Amount carried forward,* \$4,732 52

<i>Amount brought forward,</i>	\$4,732 52
Dunton & Potter, reports and printing,	12 25
A. A. Hunt, wrenches	4 20
Eastman's Express, expressing,	108 78
T. McCoubry, repairs,	180 36
E. H. Goss, sundries,	3 92
Plymouth Foundry Co., matting,	4 75
A. L. Machlachlan, repairs,	36 75
R. Philpot, teaming,	362 91
City of Medford, $\frac{1}{3}$ expenses Spot pond,	72 83
J. W. Riley, sleepers,	4 90
C. W. Ellison, stamps,	30 00
Scrannage Bros., repairs,	5 25
B. & M. R. R. Co., freight,	34 96
Jos. Edwards, repairs,	40 17
J. F. Lucy, sundries,	3 99
W. E. Keating, hay,	47 37
J. F. Churchill, labor,	43 00
Melrose Journal, printing,	22 50
Youle, Lawler & Co., teaming boiler,	30 00
F. W. Gregory & Co., soda ash, etc.,	50 60
Osmore Jenkins, repairing clock,	2 50
A. C. Sibley, water privilege,	50 00
E. L. Whittier, rent of derricks,	25 00
W. A. Goodno, labor,	4 25
Wiggin & Fernald, consultation,	10 00
Charles C. J. Spear, rent of <sup>8</sup> / <sub>16</sub> ball grounds,	47 00
L. B. Wilder & Co., printing.	34 00
S. E. Benson & Co., coal,	1,862 00
Bradley, Hastings & Co., wagon umbrella,	4 50
F. A. Edson & Co., painting,	235 00
G. O. Bucknam, painting pumps,	35 00
<i>Amount carried forward,</i>	\$8,141 26

<i>Amount brought forward,</i>	\$8,141 26
J. B. Johnson, repairs,	8 40
Siebert Cyl. Oil Co., brass nuts,	1 35
Ludlow Valve Co.,	9 74
A. J. Morse & Son, fittings,	26 35
Sewall & Day Cordage Co., packing,	3 12
Geo. H. Sampson, forcite, etc.,	11 84
National Meter Co., repairing large meter,	30 00
Hartford Ins. Co.,	100 00
O. R. Chase, carriages,	2 00
A. W. Parker, painting,	17 00
Chas. F. Churchill, boat house, policing, &c.	190 48
Jno. C. Paige, insurance,	12 50
Westgate & Johnson, insurance,	27 75
Hersey Meter Co., repairs,	50
A. J. Burnett & Co., repairs,	1 00
W. H. Gallison, sundries,	4 30
F. Hawkins & Co., packing,	4 81
Sewer Commissioners, packing,	5 42
Chambers Express, expressing,	1 95
Town of Melrose, use of roller,	17 50
S. M. Scribner, sundries,	5 45
Jos. Gibbons, Jr., gravel,	2 00
H. W. Johns & Co., sundries,	14 95
F. Sargent, damage from blasting,	3 50
Wilbur D. Fiske, commissioner,	50 00
George J. Bicknell, “	50 00
George L. Morse, “	50 00
W. L. Pierce, distributing circulars,	5 00
E. B. Silliman, packing,	85
Middlesex Fells Springs Co.	
30,019,425 gallons @ 7c.,	2,251 46
3,100,000 “ “ 6c.,	186 00
27,706,625 “ “ 5c.,	1,385 34
<hr/>	
60,826,050	
Sundry laborers,	5,501 88
From stock account : Stock used in repairing 263 leaks, service pipes, resetting hydrants, street boxes and general repairs,	5,113 85
<hr/>	
Total,	\$23,237 55



## CONSTRUCTION.

Cost of construction as per report of January 1,		
1894, . . . . .	\$320,297	76
Transferred amt. experimental well acct., . . . . .	1,000	00
“ “ additional water supply acct., . . . . .	4,077	55
“ “ Spot pond improvement acct., . . . . .	19,848	76
Cost of stock for construction during the year		
1894, . . . . .	\$9,661	95
Amount paid sundry laborers on		
same, . . . . .	4,066	13
Cost of stock for street services, . . . . .	1,144	43
Amount paid sundry laborers on		
same, . . . . .	938	75
		<u>\$15,811 26</u>
Cost of works Jan. 1, 1895, . . . . .	\$361,035	33

## STOCK.

Stock on hand Jan. 1, 1894, . . . . .	\$6,950	66
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*Purchased of*

Fitz, Dana & Co., sheet iron, rivets, etc., . . . . .	344	33
Chadwick Lead Works, pig lead and pipe, . . . . .	700	37
Davis & Farnum Mfg. Co., iron pipe and castings, . . . . .	8,123	29
J. H. Cunningham Co., pipe and fittings, . . . . .	581	17
Geo. H. Sampson, forcite, fuses, etc., . . . . .	130	80
Boston Bolt Co., bolts, . . . . .	8	88
Builder's Iron Foundry, castings, . . . . .	101	04
New England Water Pipe Co., pipe and fittings, . . . . .	1,240	60
Chapman Valve Co., hydrants, . . . . .	842	50
Osgood & Hart, castings, . . . . .	125	58
B. & M. R. R. Co., freight, . . . . .	292	13
Scrannage Bros., stop cocks, . . . . .	495	69

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*Amount carried forward, . . . . .* \$19,937 04

<i>Amount brought forward,</i>	.	.	.	\$19,937 04
Ludlow Valve Co., valves, etc.,	.	.	.	812 90
Sewall Day Cordage Co.,	.	.	.	6 60
Holyoke Hydrant Works, hydrants,	.	.	.	89 70
Knowles Pump Works, pumps,	.	.	.	907 96
National Meter Co., meters,	.	.	.	1,009 00
Robert Philpot,	.	.	.	45 75
James Marshall, wood,	.	.	.	19 00
Bay State Metal Works, corporations,	.	.	.	132 75
A. M. Morton & Co.,	.	.	.	5 20
G. P. Anderson & Co., packing,	.	.	.	43 56
Hersey Meter Co., meters,	.	.	.	60 85
A. J. Morse & Son.,	.	.	.	3 50
Walworth Mfg. Co.,	.	.	.	85
Standard Brass Co., corporations,	.	.	.	84 57
M. J. Drummond, iron pipe,	.	.	.	842 51
T. McCoubry,	.	.	.	61 90
S. E. Benson & Co.,	.	.	.	536 75
Paid sundry laborers on stock,	.	.	.	309 38
E. L. Whittier & Co.,	.	.	.	1 99
				<hr/>
				\$24,911 76

## CR.

## STOCK USED.

For maintenance,	.	.	.	\$5,113 85
construction,	.	.	.	9,661 95
inside services,	.	.	.	1,144 43
				<hr/>
				15,920 23
				<hr/>
Stock on hand Jan. 1, 1895,	.	.	.	\$8,991 53

## STATISTICS.

Number of water takers January 1, 1895,	.	.	2,760
“ families,	.	.	2,590
“ stores and shops,	.	.	125
“ motors,	.	.	10
“ boarding houses,	.	.	5
“ hotels,	.	.	3
“ churches,	.	.	7
“ manufactories,	.	.	4
“ greenhouses,	.	.	3
“ laundries,	.	.	7
“ railroad stations,	.	.	4
“ club houses,	.	.	2
“ horses,	.	.	422
“ cows,	.	.	63

## TOWN.

Town Hall, twelve school houses, five hose houses, one engine house, six stand pipes, two ornamental fountains, five drinking fountains.

Respectfully submitted,

ELBRIDGE H. GOSS,

Water Registrar.

# REPORT OF THE SUPERINTENDENT.

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*To the Board of Water Commissioners :*

GENTLEMEN :—In accordance with the usual custom, I herewith submit my annual report.

## THE POND.

The following record will show the condition of the pond during the year. The lowest point May 30 to June 10, and not over the dam during the year.

## RECORD.

*Rise and fall of pond in 1894.*

Jan.	1	92¾ in.	below high water mark.
	10	90½ in.	“ “
	20	89¾ in.	“ “
	30	84¾ in.	“ “
Feb.	10	80¾ in.	“ “
	20	71½ in.	“ “
	28	68 in.	“ “
Mar.	10	55 in.	“ “
	20	49¾ in.	“ “
	30	47 in.	“ “
April	10	44 in.	“ “
	20	35¾ in.	“ “
	30	34⅝ in.	“ “
May	10	34⅝ in.	“ “
	20	34¼ in.	“ “
	30	34½ in.	“ “

June	10	34½ in.	below high water mark.	
	20	39¼ in.	"	"
	30	43½ in.	"	"
July	10	48½ in.	"	"
	20	54½ in.	"	"
	30	57¼ in.	"	"
Aug.	10	62¾ in.	"	"
	20	67¼ in.	"	"
	30	73¾ in.	"	"
Sept.	10	80 in.	"	"
	20	81¼ in.	"	"
	30	89¾ in.	"	"
Oct.	10	93½ in.	"	"
	20	95½ in.	"	"
	30	98 in.	"	"
Nov.	10	97 in.	"	"
	20	95½ in.	"	"
	30	98 in.	"	"
Dec.	10	96½ in.	"	"
	20	89¾ in.	"	"
	30	86¼ in.	"	"

## COMPARATIVE RECORD.

*Showing the lowest points below high water mark to which the pond has been drawn since 1874.*

1874—Lowest point, 43 inches, Dec. 7.

1875—Lowest point, 61 inches, Feb. 22. Pond full, June 23.

Next lowest point, 33 inches, Nov. 10.

1876—Lowest point, 37 inches, Nov 6. Pond full, March 25.

1877—Lowest point, 33 inches, Sept. 30. Pond full March 15.

1878—Lowest point, 27½ inches, Nov. 13. Pond full Jan. 15.

Pond full, second time, Dec. 14.

1879—Lowest point, 45 inches, Dec. 20. Pond full and run-

ning over at waste-way from Jan. 1 to May 20.

- 1880—Lowest point,  $63\frac{1}{4}$  inches, Dec. 30; highest point May 10; being then twelve inches below high-water mark.
- 1881.—Lowest point, 65 inches, Jan. 8 at which time the water was down to the top of the pipe at the gate house; commenced pumping and continued until Jan. 22. The pump was started again Feb. 6 and run until Feb. 13. Pond full and running over from March 22 to April 30. Next lowest point, 32 inches, Dec. 22.
- 1882—Lowest point,  $37\frac{1}{2}$  inches, Dec. 21. Pond full and running over at waste-way, from March 3 to April 3.
- 1883—Lowest point, 82 inches, Dec. 30. The highest point reached was 15 inches below high-water mark, May 30. Commenced pumping Sept. 23, and continued to pump to Dec. 31.
- 1884—Lowest point,  $82\frac{1}{2}$  inches, Jan. 1. Pond full and running over from April 16 to May 10. Next lowest point,  $40\frac{1}{4}$  inches, Nov. 23.
- 1885—Lowest point,  $42\frac{1}{2}$  inches, Oct. 31. The highest point reached on May 24, when it was  $2\frac{1}{2}$  inches below high-water mark.
- 1886—Lowest point, 55 inches, Nov. 10. Full pond, running over at water-way from Feb. 14 to April 26.
- 1887—Lowest point,  $41\frac{3}{4}$  inches, Dec. 10. Full pond from March 20 to May 10.
- 1888—Lowest point, 38 inches, Feb. 17. Full pond from April 3 to June 2, and from Nov. 30 to Dec. 31.
- 1889—Lowest point,  $14\frac{3}{4}$  inches, Oct. 20. Full pond, running over water-way, Dec. 10.
- 1890—Lowest point, 39 inches, Oct. 10. Full pond, running over water-way, Jan 10 to 30, March 10 to April 10, and May 10 to 30.

- 1891—Lowest point,  $83\frac{3}{4}$  inches, Dec. 20. Full pond, running over water-way, Feb. 6 to April 26.
- 1892—Lowest point, 133 inches, Dec. 30. Has not run over water-way during the year.
- 1893—Lowest point, 148 inches, Jan 10. Has not run over water-way during the year.
- 1894—Lowest point,  $99\frac{1}{2}$  inches, Nov. 5. Has not run over water-way during the year.



## TABLE SHOWING LEVELS BELOW SPOT POND ROLLWAY.

Surveys made in 1884 by PERCY M. BLAKE, C. E., and  
GEORGE H. BISHOP, C. E.

Below Rollway.	
Feet.	Reservoir 98 feet above rollway.
0.00	Rollway.
5.61	Lowest point on pipe line bet'n Woodland ave. and Ravine rd.
22.39	Summit of Ravine road, near spring barrel in ground.
83.00	Northwest corner Ravine road and Washington street.
92.20	Intersection of Ravine road and Wyoming avenue.
97.19	Intersection of Trenton street and Wyoming avenue.
98.53	West rail Boston & Maine railroad at Wyoming station.
0.37	Piazza floor of C. S. Adams' house, on Wyoming hill.
99.62	Intersection Berwick street and Wyoming avenue.
91.56	Corner Main and Foster streets.
86.06	Fall from rollway to top of underpinning of Town Hall.
32.00	Sill of lower window of J. T. Chase's house, Cedar Park.
92.17	Intersection of Main and Essex streets.
41.09	Intersection of Upham street and Bellevue avenue.
13.78	Sill of Upham street schoolhouse.
18.00	In front of G. C. McFarland's house Chipman avenue.
3.00	Top of hill, opposite G. S. McFarland's house.
73.00	Track of Boston & Maine railroad, 100 ft. north of Franklin st.
18.00	Foundation of P. W. Curry's house, Orris street.
3.16	Doleful Pond above Spot Pond, Nov. 13, 1884.

## HYDRANTS.

The hydrants have been thoroughly examined, cleaned and oiled during the year.

Nineteen new ones have been added and located as follows:

One on Church street.

Two on Swain's Pond avenue.

One on Folsom avenue.

One on Ferdinand street.

Two on Otis street.

One on Fairmount street.

One on Frost avenue.

One on Crescent avenue.

One on Malvern street.

Two on Melrose street.

One on Highland avenue.

One on Lebanon street.

One on East street.

One on North avenue.

One on South avenue.

One on Glen street,

## 27 GATES SET IN 1894.

One 4-inch on Natalie avenue.

One 4-inch on Otis street.

One 4-inch on Linden street.

One 4-inch on Hawes avenue.

One 6-inch on Folsom avenue.

One 6-inch on Swain's Pond avenue.

One 4-inch on Appleton court.

One 12-inch on Main street.

Four 6-inch on Main street.

One 6-inch on Crescent avenue.

One 4-inch on Malvern street.

One 4-inch on Chester street.  
 One 4-inch on Washington street.  
 Two 6-inch on York terrace.  
 One 6-inch on Frost avenue.  
 One 6-inch on Highland avenue.  
 One 6-inch on Glen street.  
 One 6-inch on East street.  
 Two 16-inch at Middlesex Fells Springs Co.  
 One 12-inch               "               "               "  
 One 6-inch on Lebanon street.  
 One 4-inch on South avenue.

## PUMPING STATION.

The buildings are in good order. The pumps and boilers are in good repair, and have been well kept.

## FURNITURE, STOCK, ETC., ON HAND JAN. 1, 1895.

Stock on hand,	.	.	.	.	.	.	.	\$8,991	53
Office furniture,	.	.	.	.	.	.	.	400	00
Tools and fixtures at pumping station,	.	.						100	00
Tools and fixtures at shop,	.	.	.	.	.	.	.	700	00
Horses, wagons, harnesses, robes, blankets, etc.,								800	00

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\$10,991 53

Respectfully submitted,

JAMES W. RILEY,

Superintendent.

# ENGINEER'S REPORT.

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MELROSE PUMPING STATION,

DEC. 31, 1894.

*Board of Water Commissioners, Melrose, Mass.:*

GENTLEMEN: I herewith submit to you my report for the years of 1887 to 1894, inclusive, being the years since the High Service System has been in operation, showing the number of gallons of water pumped in each month of each year, coal consumed while pumping, coal in banking, ashes removed, and lift, including friction, as follows:

	Coal used while pumping—Lbs.	Coal used in banking—Lbs.	Gallons water pumped.	Duty foot lbs.	Lift, including friction and suction.—Feet.	Pounds ashes removed.	Hours running.
January, 1887,	24,900	9,600	12,358,904	59,608,631	117	4,181	168
February, .....	25,600	7,500	10,108,290	47,420,515	118	3,812	152
March, .....	53,000	6,300	14,111,064	32,168,317	117	4,764	170
April, .....	25,700	5,900	12,879,468	60,185,703	117	4,614	182
May, .....	31,400	6,900	16,762,068	64,034,528	119	10,369	189
June, .....	33,700	6,295	18,247,716	65,029,011	119	5,910	203
July, .....	29,600	13,700	18,578,016	75,376,534	120	7,027	226
August, .....	29,800	5,100	14,846,940	59,834,164		5,484	170
September, .....	27,900	5,700	14,286,852	61,497,984	120	4,372	156
October, .....	29,800	5,800	14,455,332	22,014,347	121	5,020	152
November, ....	26,500	5,400	12,890,772	58,420,005	127	4,357	130
December, ....	29,500	5,100	12,929,796	52,638,833	127	5,445	117
January, 1888,	29,300	7,100	13,544,316	55,522,804	130	5,742	132
February, .....	30,900	6,800	14,692,860	57,105,298	130	6,572	145
March, .....	29,100	6,000	13,732,380	56,673,673	126	4,106	137
April, .....	26,900	4,200	12,121,704	54,117,775	126	6,392	
May, .....	29,600	4,200	12,980,016	52,663,783	125	5,048	129
June, .....	33,200	6,000	17,837,424	64,524,194	129	4,941	182
July, .....	37,400	6,100	19,685,736	36,475,351	129	5,698	193
August, .....	31,400	5,100	17,236,876	65,926,110		4,611	188
September, ....	30,100	5,100	15,029,532	59,966,334	129	3,645	146
October, .....	29,500	4,800	14,821,272	60,338,151		4,073	140
November, ....	29,700	5,100	14,292,252	57,792,185	129	5,396	146
December, ....	31,900	5,400	16,804,656	63,265,578	137	5,504	164
January, 1889,	28,800	4,800	14,552,784	60,685,109	139	4,571	142
February, .....	25,700	4,800	14,124,816	66,005,210	139	4,381	141
March, .....	29,700	5,100	19,454,260	78,665,951	139	6,013	152
April, .....	26,500	5,100	14,053,320	63,688,585	139	5,375	144
May, .....	34,300	5,100	17,452,368	61,106,693	139	5,500	176
June, .....	31,400	4,800	16,407,580	62,754,290	139	6,137	161
July, .....	32,900	5,100	17,008,236	62,085,748	139	6,706	135
August, .....	32,800	5,100	16,311,240	59,723,008	139	6,594	159
September, ....	30,600	4,800	15,944,616	62,571,392	139	6,033	154
October, .....	29,000	4,800	14,839,920	61,454,862	139	4,327	143
November, ....	29,500	5,100	15,659,316	63,261,736	139	4,217	147
December, ....	38,400	5,100	19,202,920	60,053,382	139	3,980	179
January, 1890,	29,500	4,100	15,731,316	65,507,394	138	5,389	153
February, .....	23,300	4,800	13,070,268	67,368,536	137	4,377	127
March, .....	28,700	5,100	15,067,440	63,050,148	137	3,950	149
April, .....	26,500	4,600	14,281,020	64,720,504	137	4,913	139
May, .....	30,400	5,100	16,046,820	63,393,384	137	5,469	159
June, .....	33,800	5,400	17,757,864	63,096,107	137	5,793	212
July, .....	49,300	7,600	26,348,724	64,186,133	137	8,761	255
August, .....	39,400	6,400	20,779,632	63,338,813	137	2,538	203
September, ....	35,200	5,800	18,526,928	63,210,509	137	6,600	181
October, .....	35,700	5,800	18,547,920	61,992,464	137	6,602	176
November, ....	32,200	5,400	16,552,688	61,736,385	137	4,923	158
December, ....	38,700	6,000	19,478,952	60,448,171	137	7,634	189

	Coal used while pumping—Lbs.	Coal used in banking—Lbs.	Gallons water pumped.	Duty foot lbs.	Lift, including friction and suction.—Feet.	Pounds ashes removed.	Hours running.
January, 1891,	40,300	6,600	21,395,556	63,759,818	136	6,890	208
February, .....	35,700	7,200	18,988,884	63,879,244	136	6,680	184
March, .....	41,300	6,900	19,882,694	57,816,755	136	6,883	192
April, .....	35,400	6,600	18,964,332	64,337,299	136	6,396	156
May, .....	41,200	6,700	25,236,696	64,818,889	136	7,745	205
June, .....	46,900	8,521	25,446,528	65,160,473	136	8,253	
July, .....	46,800	9,300	26,505,900	68,018,217	136	8,454	257
August, .....	50,100	7,800	24,395,652	58,479,445	136	8,349	257
September, ....	37,900	7,500	20,973,160	66,458,908	136	8,143	231
October, .....	43,100	8,100	22,541,652	62,811,188	136	8,143	279
November, ....	36,700	8,100	19,197,628	62,821,713	137	2,489	184
December, ....	39,900	2,100	19,093,824	58,470,974	139	6,789	211
January, 1892,	37,000	7,800	18,256,572	59,257,872	143	1,837	186
February, .....	36,100	6,900	18,793,080	62,520,048	141	5,020	187
March, .....	40,600	8,700	20,591,496	60,910,253	138	1,535	210
April, .....	40,800	6,900	20,571,372	60,552,438	136	6,086	205
May, .....	42,800	8,100	22,028,292	62,478,000	134	7,351	169
June, .....	55,100	8,000	29,652,336	64,630,271	135	8,450	
July, .....	66,400	9,300	32,966,712	59,625,756	136	8,695	336
August, .....	43,600	8,500	22,271,472	61,346,667	138	5,122	257
September, ....	40,800	9,000	20,536,992	60,451,239	138	5,257	257
October, .....	39,800	7,500	20,188,332	60,918,038	140	5,907	227
November, ....	36,100	7,400	18,087,184	60,171,702	140	6,561	202
December, ....	38,400	8,100	18,811,460	58,832,841	140	6,786	217
January, 1893,	39,800	7,800	19,852,524	59,904,741	143	6,884	255
February, .....	46,500	7,500	21,825,072	56,367,824	141	7,948	242
March, .....	43,400	8,400	20,206,492	55,915,181	138	6,724	193
April, .....	35,800	7,500	17,766,936	59,659,048	136	6,393	209
May, .....	41,200	9,300	21,385,368	62,337,309	134	7,144	236
June, .....	49,600	9,000	25,866,396	62,630,054	135		
July, .....	53,700	9,300	28,876,392	64,579,872	136	8,784	313
August, .....	43,300	9,300	24,866,100	68,968,109	137	8,014	273
September, ....	36,000	9,000	18,661,608	62,255,124	138	5,114	217
October, .....	35,600	9,300	17,481,248	58,972,695	139	7,425	216
November, ....	30,500	6,000	15,595,524	61,408,526	140	4,741	179
December, ....	35,900	9,300	16,108,848	53,888,808	139	5,482	215
January, 1894,	33,800	8,400	16,858,296	59,899,777	141	11,987	165
February, .....	29,600	7,200	14,151,132	57,410,484	141	5,647	161
March, .....	27,500	7,300	14,722,748	64,296,114	144	5,742	165
April, .....	35,200	8,400	18,544,068	64,405,349	144	7,179	208
May, .....	33,300	9,300	18,728,604	67,544,457	144	7,439	213
June, .....	35,600	9,000	19,341,648	65,513,649	144	7,124	216
July, .....	43,500	12,900	25,321,068	69,907,103	144	7,800	274
August, .....	40,500	9,300	19,872,456	58,928,456	144	7,079	201
September, ....	51,100	8,700	26,104,284	61,350,686	144	8,017	297
October, .....	39,000	8,600	20,477,412	63,057,827	144	7,100	238
November, ....	27,300	8,100	11,722,832	51,570,155	144	3,936	151
December, ....	20,400	7,200	11,512,656	67,775,683	144	4,738	114

The monthly record will show the condition of the pond during the year. There has been a rain guage placed at the station by the city of Malden with the agreement that a report should be kept of the amount of rain fall, they furnishing blanks for same. The amount of rain fall from May, 1894, is as follows: May, 4.44; June, 2.1; July, 2.26; August, 1.73; September, 2.53; October, 5.30; November, 2.78; December, 3.75; total, 21.02.

The pumps have been painted, and the low pressure cylinder heads have been covered with asbestos. Everything is in good condition, except a little repairing on the brick work, under the boiler, which needs to be attended to.

Respectfully yours,

CHARLES F. CHURCHILL.

*Engineer.*







## TOTAL AMOUNT AND LOCATION OF MAIN AND DISTRIBUTING PIPES TO PRESENT TIME.—Continued.

STREETS.	FEET OF PIPE.							Hyd- rants.	GATES.						
	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.		16-in.	12-in.	10-in.	8-in.	6-in.	4-in.	2-in.
Greenwood .....							1,263	1						2	1
Grove .....					447	2,540	2,523	3					1		1
Grove Court .....							162								
Grundy .....							202								1
Harvard .....						648									
Hawes Avenue .....					252									1	
Herbert .....							220							1	
Hesseltine .....					84										
High .....							376	1					1	1	
Highland Avenue .....						699	406	1					2		
Highland Avenue E. ....							440	1							
Hillside Avenue .....							337	1						1	
Holbrook Court .....						250									1
Hopkins .....						535									
Howard .....						2,314	940	3						2	
Howie Court .....						235	217								
Hurd .....							768							1	
Ingalls Court .....						300									
Irving .....							1,230	1					1	2	
Lake Avenue .....						4,375	3,550						3	5	
Lebanon .....						159	435	1							1
Linden .....															
Linden Place .....						774	3,776	2						5	
Linwood Ave. and Lynde ..						552	42								
Lynde Avenue .....						2,751	1,272	13		6				7	
Main .....						1,110	380	3						3	
Malvern .....								2						3	1
Maple and Poplar .....							2,265½	4						5	
Maple .....							2,449½	2							
Melrose .....						1,536									
Meridian .....															
Middlesex Fells Springs Co	36			730						2	1				
Morgan .....						240									
Mountain Avenue .....						144									
Mt. Vernon .....						200								1	
Mt. Vernon Place .....							551	2						2	
Myrtle .....							224							1	
Mystic and Glen Ave. ....							2,230	3						6	
Natalie Avenue .....						310	635	1					1	1	
North Avenue .....						185								1	
North Avenue .....						835	202	75						1	2
Oakland .....							1,161	1							

TOTAL AMOUNT AND LOCATION OF MAIN AND DISTRIBUTING PIPES TO PRESENT TIME.—Continued.

STREETS.	FEET OF PIPE.									Hyd-rants.	GATES.						
	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	2-in.	1-in.		16-in.	12-in.	10-in.	8-in.	6-in.	4-in.	2-in.
Orient Avenue .....							1,047			1				1			
Orient Place .....						263		184							4		
Orris .....						1,179	1,268			2					1		
Otis .....						1,152	24			2							
Panama .....						112											
Para .....						268											
Park .....						1,526	4			2							
Parker .....								288									
Perham Court .....								275								1	
Perkins .....							236										
Pine .....							338			1							
Pleasant .....						617		1,125									
Porter .....						1,205	2,514½			5				2	1	1	
Porter Street Court .....						225									2		
Pond to Wyoming Avenue .....	3,810									2	2						
Pratt .....							378			1					1		
Prospect .....							1,026			1							
Pump to intersection .....										2							
Reading Hill Avenue .....			3,032			710				2							
Rendall Place .....									170	1							
Reservoir .....		96															
Rowe .....						63	1,331	552		3					4	1	
Reservoir to Ravine Road .....			1,370														
Russell .....							706								1		
Sanford .....						816	6			2							
Sargent .....						485	900			2				1	1		
School .....						300		495		2					1		
Short .....							216								2		
Sibley .....						145								1			
Sixth .....							810								3		
South Avenue, .....						425				1					1		
Spear .....						827				1							
Spear Court .....								164									
Staples .....						430											
Stevens Place .....							110	216									
Summer .....							961			2					2		
Summit Avenue .....							442			1					1		
Suction .....			230														
Swain's Pond Avenue .....						1,740				3					1		
Sylvan .....						320				1							

TOTAL AMOUNT AND LOCATION OF MAIN AND DISTRIBUTING PIPES TO PRESENT TIME.—Continued.

STREETS.	FEET OF PIPE.						GATES.										
	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.	2-in.	1-in.	Hyd. rants.	16-in.	12-in.	10-in.	8-in.	6-in.	4-in.	2-in.
Tappan.....						280	230	521	36							1	1
Tenth.....							419									2	
Third.....						1,465	827	247		2					1	2	1
Tremont.....							3,180	500		3					2	4	
Trenton.....						1,223	1,331 <sup>1</sup> / <sub>2</sub>			2						2	
Union.....							673			1					1	2	
Upham.....							5,581			6						3	
Vine.....							691			1						2	
Vinton.....						4,817 <sup>1</sup> / <sub>2</sub>	436			6					4		
Walnut.....							187 <sup>1</sup> / <sub>2</sub>									1	
Walton Park.....							1,447									1	
Warren.....							1,342			2						2	
Warwick Road .....							188						3	2		5	
Washington .....						3,160	1,756			4						1	
Waverley Place.....							3,245			1							
West Hill Avenue.....						897	158			1					1		
Wheeler .....						60				1		1					
Whittier & Whittier's Wells .....						292		663								1	
Willow .....																1	
Winter .....							241			1							
Winthrop Place .....							520			1							
Winthrop .....							695 <sup>1</sup> / <sub>2</sub>									2	
Woodland Avenue .....							630			1						1	
Wyoming Avenue .....	3,360						1,396			4	3						
Wyoming Park.....							508			1							
Waste.....						55	51								3	2	
York Terrace .....						590	1,655 <sup>1</sup> / <sub>2</sub>			2					2	1	
Youle .....									241								
Y. M. C. A. Court .....																	
7,206	3,096	10783			4,842	73,393	102,306	11,388 <sup>1</sup> / <sub>2</sub>	797	212	7	8	2	2	61	173	22

Total length of main and distributing pipes, 40 $\frac{1}{2}$  miles.



# REPORT OF THE

## Water Loan Sinking Fund Commissioners.

---

MELROSE, Jan. 1, 1895.

*To the Town of Melrose:*

The water loan sinking fund commissioners present herewith an account of their transactions for the past year.

At the date of their last report there was on hand	
in Melrose savings bank, . . . . .	\$413 75
There has been received from the water board,	
being surplus of 1893, . . . . .	7,221 55
Interest on water bonds, held in the fund, . . . . .	160 00
“ from town of Melrose on note, . . . . .	288 86
“ from Melrose savings bank, . . . . .	18 34
	<hr/> \$8,102 50

The disbursements and investments have been as follows:

Rent of safe deposit box, . . . . .	\$10 00
Geo. Newhall, for services as treasurer, . . . . .	50 00
Loaned on note of town of Melrose, . . . . .	7,221 55
Cash on hand in Melrose savings bank, . . . . .	820 95
	<hr/> \$8,102 50

There is due from water board their surplus for	
1894, . . . . .	\$427 26

The sinking fund Jan. 1, 1895, is as follows:

Melrose water bonds, . . . . .	4,000 00
Note of town of Melrose, . . . . .	7,221 55
Cash in Melrose savings bank, . . . . .	820 95
	<hr/> \$12,042 50

Respectfully submitted,

DANIEL RUSSELL,  
JOHN W. FARWELL,  
ROYAL P. BARRY,  
*Water Loan Sinking Fund Commissioners.*

# WARRANT.

---

*To either of the Constables of the Town of Melrose, in the County of Middlesex:* *GREETING.*

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the Inhabitants of the Town of Melrose, qualified to vote in elections and Town affairs, to meet at the Town Hall, on Monday, the fourth day of March, A. D. 1895, at 6 o'clock a. m., then and there to act on the following Articles, viz :

ARTICLE I. To choose a Moderator.

2. To bring in their votes for Town Officers ; and in answer to the question "Shall licenses be granted for the sale of intoxicating liquors in this town ?" All ballots are to be furnished by the town, and will be distributed at the polls by officers duly appointed in accordance with provisions of laws accepted by the town. Polls to be kept open until 5.30 p. m.

3. To choose any other Town Officers deemed necessary, or required by law.

4. To authorize the Town Treasurer to borrow money, with the approval of the Selectmen, in anticipation of taxes.

5. To hear and act upon the report of the Finance Committee, appointed at meeting November 15, 1894.

6. To determine the amount of money to be raised and appropriated to defray town charges for the ensuing year, and for payment of the town debt.

7. To fix the compensation of all officers and committees elected and appointed by the town.

8. To raise money for the use of water in hydrants, public buildings, etc., and for any other necessary expenses for the ensuing year.

9. To determine the method by which the taxes for the year shall be collected.

10. To see if the town will vote to petition the legisla-



ture for authority to issue additional water fund bonds, and to pass any other vote deemed necessary in the premises.

11. To see if the town will vote to raise the sum of two hundred dollars (\$200), for keeping in repair and decorating the graves of soldiers on Memorial Day.

12. To hear and act upon the report of the committee on Central Fire Station, and to authorize the Town Treasurer to borrow money for the same if necessary.

13. To see if the Town will place a fire alarm box at the corner of Third street and Waverly avenue, and appropriate money for the same. By request of A. J. Burnett and others.

14. To see if the Town will place a fire alarm box at a point on Franklin street, near the residence of Nathan Webster. On petition of William P. Robinson and others.

15. To see what action the town will take in reference to the providing of a fire alarm bell at the Highlands, and raise or appropriate money for the same.

16. To hear the report of the committee appointed to consider and report upon the question of parks, and available land for park purposes, and to see if the Town will authorize the Park Commissioners of this Town to locate, lay out, and take land and Dix's pond in the rear of the Town Hall for park purposes; and to pass any vote necessary to lay out and take land for a public square or park in the rear of the Town Hall or elsewhere, or to accept and allow any report of the Park Commissioners laying out or taking any land as a public park or parks, and to raise, borrow, or appropriate money for the same.

17. To see what action the Town will take in the matter of authorizing its Board of Health to make and enforce such regulations as said Board may deem necessary for the safety and health of the people with reference to house drainage and its connection with public sewers, and to provide for connecting buildings with public sewers, in accordance with Chapter 108, Acts of 1889, and Chapter 132, Acts of 1890.

18. To see if the Town will authorize the Treasurer to sell and dispose of twenty-five bonds remaining unsold of

the issue of bonds "Melrose Sewerage Loan, Act of 1894."

19. To see if the Town will authorize the Selectmen, or Sewer Commissioners, to petition the legislature for authority to issue additional bonds, notes, or script, to be applied to the construction of a system of sewerage in the Town of Melrose, and for any other legislation which may be deemed necessary.

20. To see what action the Town will take in the matter of the assessment and apportionment of the estimated cost of the sewer; to determine what proportion shall be paid by the town and by the estates benefited, in accordance with the provisions of Chapter 50 of the Public Statutes, and of Chapter 245 of the Acts of 1892, and to pass any vote or votes connected with the subject of sewerage which may be deemed necessary.

21. To see if the Town will accept the laying out of certain main drains, or common sewers, as laid out for public use by the Sewer Commissioners, as provided in Chapter 50, Section 2, of the Public Statutes, as amended by the Acts of 1893, Chapter 423, Section 24, in the following courts or places, and over certain private lands: Allen Court or Place, Benson Court, Berwick Court or Place, Boston & Maine R. R. Land, Cass Street, Central Terrace and land of H. A. Leonard, Crescent Place, Dill Court, Eastman and Fields Courts, Emerson Place, Faulkner Place, Felton Place, Grove Place, Ingalls Court, Kimball Court, Larrabee Place, Perham Avenue, Stevens Place, Upham Court.

22. To see if the Town will authorize the Selectmen to purchase a new steam road roller, and raise or appropriate money for the same.

23. To see if the Town will properly drain Cedar Park and raise or appropriate money for the same.

24. To see what action the Town will take on the recommendation of the Selectmen relative to a stable for town purposes.

25. To see if the Town will authorize the Selectmen to purchase five horses for use in the Highway department, and appropriate money for the same.

26. To see what action the Town will take in the matter of property belonging to the estate of Philip McMahan.

which was wrongly assessed and sold for taxes for the years 1892 and 1893. On petition of John J. McCullough and others.

27. To see if the Town will raise or appropriate the sum of three hundred dollars, (\$300), for the purchase of a combination ambulance and patrol wagon.

28. To see if the Town will purchase a pair of horses for the Hook and Ladder Truck and hire a permanent driver, and appropriate eleven hundred dollars, (\$1,100), to pay for the same. On petition of Joseph Edwards and others.

29. To see if the Town will raise and appropriate money to pay certain volunteer soldiers of the Town or their families, in accordance with a vote of the said Town of Melrose passed on the sixth day of May, 1861. On the petition of William E. Barrett and others.

30. To see if the Town will authorize the Treasurer to hire money, with the approval of the Selectmen, for the purpose of renewing, replacing, or the payment of any loan or loans now existing.

31. To hear and act upon the reports of committees, and for the transaction of any other business that may legally come before this meeting.

And you are directed to serve this Warrant by posting attested copies thereof at the Town Hall, each of the Post Offices and Depots in the town, not less than seven days before the day appointed for said meeting, and by leaving printed copies of the Warrant at the dwellings of the legal voters before the day of meeting.

Hereof fail not, and make due return of this Warrant, with your doings thereon, to the Town Clerk, at the time and place of said meeting.

Given under our hands this fifteenth day of February, in the year one thousand eight hundred and ninety-five.

DANIEL NORTON,  
EUGENE H. MOORE,  
CHARLES W. COOK,  
JOHN P. DEERING,  
SIDNEY H. BUTTRICK,  
Selectmen of Melrose.

A true copy. Attest.

A. B. PIERCE, Constable.

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